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Overview

Brocade Fabric OS v6.2.0 supports the following new hardware platforms:

- **Brocade DCX-4S: 192 port backbone**
  - 192 ports, 8 Gbit/sec technology in a 8Uchassis with horizontal slots
  - Supports FC8-16, FC8-32 and FC8-48 Fibre Channel port blades.
  - Supports all special purpose blades available for DCX
  - Supports ICL connectivity to other DCX-4S or DCX chassis

In addition to support for the new hardware platforms and blades, there are numerous new features in Fabric OS v6.2, including:

- **Virtual Fabrics**
  - Full VF feature support on DCX, DCX-4S, 5300, 5100
  - Single physical chassis can be subdivided into two or more logical switches creating a logical fabric with other switches
  - Per-port assignment of ports to logical switches
  - Shared ISLs provide connectivity for multiple logical fabrics
- **FCR and FCIP Enhancements**
  - FCIP (SCSI) Read Tape Pipelining
  - Enhancements to SoTCP
  - LSAN Tagging
  - Support Pathinfo over MetaSAN
  - Use FSPF cost in FCR backbone fabric to find shortest path to edge fabric
  - In-band management link over FCIP connections for the Brocade 7500
  - TCP Byte Streaming for FCIP connections used with WAN optimization hardware
  - Improved FCIP statistics support including TCP connection history, high water mark information and connection snapshot capability
- **Support temporary licenses** for Adaptive Networking, Integrated Routing, and Fabric Watch
- **Security Enhancements**
  - IPv6 Auto-configuration
  - IPSec with IPv6 (for management port)
  - Configurable switch-wide policy requiring authentication of all HBAs
  - RADIUS enhancements allowing password expiration and source IP address information
  - LDAP enhancement allowing for alternate domain UPN
  - IPv6 certified for JITC Approved Product List
- **FICON Enhancements**
  - RNID support for CUP
  - New FC addressing modes for support with Virtual Fabrics
  - Support for FC8-48 blade with VF-enabled DCX/DCX-4S for FICON environments
- **Access Gateway Enhancements**
  - AG mode supported on Brocade 5100
- **Encryption Enhancements**
  - Data Encryption support in Virtual Fabrics environments
  - Support for Tape encryption and compression.
  - Key Management support for HP's SKM
  - Support for up to four FS8-18 Encryption blades in a single DCX or DCX-4S chassis

- **Brocade HBA feature support**
  - Beacon adjacent switch port from HCM
  - Fabric based boot LUN discovery
  - QoS nameserver support allowing query for QoS zone information
  - Support for FC Ping
- **Miscellaneous**
  - FC ping support between switches (ping switch WWN)
  - Provide path information via CLI
  - Frame Redirection support in interopmode 3 (McDATA Open Fabric Mode)
  - Support for M-EOSn's 239 Domain ID mode via FCR in interopmode 3
  - System-wide RASLOG
  - Port Auto-Disable support
  - Ethernet Port Bonding for management ports
  - New CLI command to configure F_Port receive buffer credits

New Feature Descriptions

Virtual Fabrics

- Virtual Fabrics (VF) is a new capability supported on the Brocade DCX, DCX-4S, 5300, and 5100 switches. Once enabled, VF allows the user to divide a single physical chassis or switch into multiple "logical switches" by assigning individual ports to a logical switch. Each of these logical switches is managed as a completely independent layer 2 Fibre Channel switch, and can be deployed in independent fabrics known as "logical fabrics."
- VF also allows the user to create a special logical switch known as the "base switch," used for connectivity to other base switches and also as a backbone fabric for Fibre Channel Routing. Individual logical fabrics may utilize this shared base fabric for connectivity to other switches, providing efficient use of resources by sharing common ISL and ICL connections among multiple logical fabrics.
- The Virtual Fabrics feature is part of the base Fabric OS and does not require a license. Virtual Fabrics is fully compatible with legacy Brocade products as well as M-series switches and directors.

FCR and FCIP Enhancements

- **FCIP (SCSI) Read Tape Pipelining** – Anticipates host read operations and buffers data to reduce latency from the FCIP WAN.
- **LSAN Tagging** – Provides special behavior for designated LSAN zones using either a new "speed" tag or "enforce" tag. The enforce tag allows individual FCRs to be configured to only import devices in specific LSAN zones, increasing scalability. The speed tag allows designated targets to remain imported, allowing sensitive hosts to discover targets much faster. This is useful when performing boot over LSAN operations.
- **SoTCP Enhancements** – Improved network congestion management in Slow Start Mode helps to prevent host I/O from timing out.
- **Support Pathinfo over MetaSAN** – Pathinfo command has been enhanced to provide path information across routed fabrics, especially useful when troubleshooting connectivity problems across routed fabrics.

- **Use FSPF cost in FCR backbone fabric** – Uses most efficient route to reach a destination fabric, preventing the use of an FCIP link when an ISL is available.
- **In-band management link over FCIP connections for the Brocade 7500** – Allows a management station to communicate with a remote 7500 through the GE ports. This allows a single management station located on the WAN side of the 7500 to communicate with the management interface on the CP for management tasks such as firmwaredownloads, snmp polling, snmp traps, trouble shooting, and configuration.

Enhanced Native Connectivity with McDATA Products

- **Frame Redirection --** Fabric OS v6.2 and M-EOS v9.9 now support Frame Redirection in McDATA Open Fabric Mode (interopmode 3) fabrics. Frame Redirection zones must be created and activated from FOS platforms.
- **FCR Support for M-EOSn 239 DID mode** – FOS platforms now support EX_Port connections to McDATA Open Fabric Mode Mi10ks using the 239 DID setting.

Security Enhancements

- **IPv6 Auto-configuration –** Configurable stateless IPv6 auto-configuration support.
- **IPSec with IPv6** – Supports greater security for management ports by providing configurable security policies for IPv4/6 addresses.
- **Switch-wide policy requiring HBA authentication** – New configurable switch-wide setting requires the FC-SP bit to be set in FLOGI. If bit is not set, the FLOGI is rejected and the port will be disabled.
- **RADIUS Enhancements** – New warning for RADIUS login allows users to configure how many days in advance they should be notified of password expiration.
- **LDAP Enhancements** – Added ability to provide an alternate UPN (userPrincipalName) to domain authentication.

Encryption Enhancements

- **Tape Encryption and Compression –** Backup applications supported for tape encryption with the 6.2 release include:
  - Veritas NetBackup 6.5
  - EMC Networker 7.4
  - HP Data Protector 6.0

  Please contact your vendor regarding the use of other backup applications.

Optionally Licensed Software

Optionally licensed features in Fabric OS v6.2 include:

- Brocade Ports on Demand — Allows customers to instantly scale the fabric by provisioning additional ports via license key upgrade (applies to select models of switches).
- Brocade Extended Fabrics — Provides greater than 10km of switched fabric connectivity at full

bandwidth over long distances (depending on platform this can be up to 3000km).

- Brocade ISL Trunking — Provides the ability to aggregate multiple physical links into one logical link for enhanced network performance and fault tolerance. Also includes Access Gateway ISL Trunking on those products that support Access Gateway deployment.
- Brocade Advanced Performance Monitoring — Enables performance monitoring of networked storage resources. This license includes the TopTalkers feature.
- High Performance Extension over FCIP/FC (formerly known as "FC-IP Services") (For the FR4-18i blade and Brocade 7500) — This license key also includes the FC-Fastwrite feature and IPsec capabilities.
- Brocade Accelerator for FICON – This license enables unique FICON emulation support for IBM's Global Mirror (formerly XRC) application (including Hitachi Data Systems HXRC and EMC's XRC) as well as Tape Pipelining for all FICON tape and virtual tape systems to significantly improve XRC and tape backup/recovery performance over virtually unlimited distance for 7500, upgraded 7500E and FR4-18i.
- Brocade Fabric Watch — Monitors mission-critical switch operations. Fabric Watch now includes new Port Fencing capabilities.
- FICON Management Server — Also known as "CUP" (Control Unit Port), enables host-control of switches in Mainframe environments.
- ICLs, or Inter Chassis Links — Provide dedicated high-bandwidth links between two Brocade DCX or DCX-4S chassis, without consuming valuable front-end 8G ports. Each DCX/DCX-4S must have the ICL license installed in order to enable the ICL connections. (Available on the DCX/DCX-4S only)
- Enhanced Group Management — This license, available only on the DCX, DCX-4S and other 8G platforms, enables full management of the device in a datacenter fabric with deeper element management functionality and greater management task aggregation throughout the environment. This license is used in conjunction with Brocade's Data Center Fabric Manager (DCFM) application software.
- Adaptive Networking — Adaptive Networking provides a rich framework of capability allowing a user to ensure high priority connections obtain the network resources necessary for optimum performance, even in congested environments. The QoS SID/DID Prioritization and Ingress Rate Limiting features are the first components of this license, and are fully available on all 8G platforms.
- Integrated Routing — This license allows ports in a DCX, DCX-4S, 5300, 5100, or Brocade Encryption Switch to be configured as EX_ports supporting Fibre Channel Routing. This eliminates the need to add an FR4-18i blade or use the 7500 for FCR purposes, and also provides double the bandwidth for each FCR connection (when connected to another 8G-capable port).
- 7500E Upgrade (For the Brocade 7500E only) — This license allows customers to upgrade a 4-port (2 FC ports and 2 GE ports) 7500E base to a full 18-port (16 FC ports and 2 GE ports) 7500 configuration and feature capability. The upgraded 7500E includes the complete High Performance Extension license feature set.
- Encryption Performance Upgrade — This license provides additional encryption processing power. For the Brocade Encryption Switch or a DCX/DCX-4S, the Encryption Performance License can be installed to enable full encryption processing power on the BES or on all FS8-18 blades installed in the DCX/DCX-4S chassis.

- DataFort Compatibility — This license is required on the Brocade Encryption Switch/DCX/DCX-4S with FS8-18 blade(s) to read & decrypt NetApp DataFort-encrypted Disk LUNs. DataFort Compatibility License is also required on the Brocade Encryption Switch or DCX/DCX-4S Backbone with FS8-18 Encryption Blade(s) installed to write & encrypt the Disk LUNs in NetApp DataFort Mode (Metadata & Encryption Algorithm) so that DataFort can read & decrypt these disk LUNs. DataFort Mode tape encryption and compression is supported beginning with the FOS v6.2 release. Availability of the DataFort Compatibility license is limited; contact your vendor for details.
- Server Application Optimization — This new license introduced with FOS v6.2, when deployed with Brocade Server Adapters, optimizes overall application performance for physical servers and virtual machines by extending virtual channels to the server infrastructure. Application specific traffic flows can be configured, prioritized, and optimized throughout the entire data center infrastructure.

Some models offer bundles that include 2 or more optionally licensed features. These bundles are defined for each unique product, and are outside the scope of this release note document.

Temporary License Support

The following licenses are available for 45-day temporary use, with a maximum of two temporary license per feature and per switch (90 days maximum):

- Fabric (E_port) license
- Extended Fabric license
- Trunking license
- High Performance Extension license
- Advanced Performance Monitoring license
- Adaptive Networking license (support is new in FOS v6.2)
- Fabric Watch license (support is new in FOS v6.2)
- Integrated Routing license (support is new in FOS v6.2)

Previously Licensed Software Now Part of Base FOS

The following capabilities are included as part of the base FOS capability and no additional purchase or licensing is necessary:

- Advanced Zoning and WebTools licenses are no longer necessary beginning with FOS v6.1. These features are automatically enabled on all products running FOS v6.1 or later.

Supported Switches

Fabric OS v6.2 supports the Brocade 200E, 300, 4012/4016/4018/4020/4024/4424/5410/5480/5424, 4100, 4900, 5000, 5100, 5300, 7500, 7600, 48000, Brocade Encryption Switch (BES) and DCX/DCX-4S. All supported products are qualified for Native Connectivity in interopmodes 2 and 3 for deployment in M-EOS fabrics with the exception of the Brocade 4100.

Access Gateway is also supported by Fabric OS v6.2.0, and is supported on the following switches: the Brocade 200E, 300, 5100, 4012, 4016, 4018, 4020, 4024, 4424, 5480 and 5424.

Standards Compliance

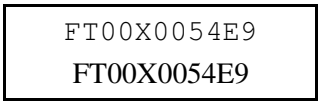
This software conforms to the Fibre Channel Standards in a manner consistent with accepted engineering practices and procedures. In certain cases, Brocade might add proprietary supplemental functions to those specified in the standards. For a list of standards conformance, visit the following Brocade Web site: *http://www.brocade.com/sanstandards*

Technical Support

Contact your switch supplier for hardware, firmware, and software support, including product repairs and part ordering. To expedite your call, have the following information immediately available:

1. **General Information**
   - Technical Support contract number, if applicable
   - Switch model
   - Switch operating system version
   - Error numbers and messages received
   - **supportSave** command output
   - Detailed description of the problem, including the switch or fabric behavior immediately following the problem, and specific questions
   - Description of any troubleshooting steps already performed and the results
   - Serial console and Telnet session logs
   - Syslog message logs
2. **Switch Serial Number**

   The switch serial number is provided on the serial number label, as shown here.

   The serial number label is located as follows:

   - Brocade 200E—On the nonport side of the chassis
   - Brocade 4100, 4900, and 7500/7500E—On the switch ID pull-out tab located inside the chassis on the port side on the left
   - Brocade Encryption Switch, 300, 5000, 5100, and 5300—On the switch ID pull-out tab located on the bottom of the port side of the switch
   - Brocade 7600—On the bottom of the chassis
   - Brocade 48000 —Inside the chassis next to the power supply bays
   - Brocade DCX—Bottom right of the port side
   - Brocade DCX-4S—Back, upper left under the power supply

3. **World Wide Name (WWN)**

When the Virtual Fabric feature is enabled on a switch, each logical switch has a unique switch WWN. Use the **wwn** command to display the switch WWN.

If you cannot use the **wwn** command because the switch is inoperable, you can get the primary WWN from the same place as the serial number, except for the Brocade DCX/DCX-4S. For the Brocade DCX, access the numbers on the WWN cards by removing the Brocade logo plate at the top of the non-port side. The WWN is printed on the LED side of both cards.

4. **License Identifier (License ID)**

   There is only one License Identifier associated with a physical switch or director/backbone chassis. This License Identifier is required as part of the ordering process for new FOS licenses.

   Use the **licenseId** command to display the License Identifier.

Important Notes

This section contains information that you should consider before you use this Fabric OS release.

DCFM Compatibility

FOS v6.2 is fully compatible with Brocade's Data Center Fabric Manager (DCFM) v10.1 management software. DCFM is a comprehensive SAN management application that enables end-to-end management of Brocade Data Center Fabrics. It is the next-generation product and the successor to existing Brocade management products, including Brocade Fabric Manager (FM) and Brocade Enterprise Fabric Connectivity Manager (EFCM).

DCFM is available in two versions: *DCFM Professional*, an application bundled with Brocade switches that is ideally suited for small and medium size businesses that need a light-weight management product to manage their smaller fabrics (one physical fabric at a time, up to 1,000 ports); and *DCFM Enterprise*, that is designed for enterprise-class customers and showcases unparalleled performance and scalability (24 physical fabrics, up to 9,000 switch ports). DCFM Enterprise configures and manages Brocade DCX Backbones, along with Brocade directors, routers, switches, and HBAs. It also supports Brocade fabric-based encryption capabilities for data-at-rest. Existing EFCM v9.6 and higher and FM v5.4 and higher customers are provided an easy migration path to DCFM Enterprise.

EFCM Compatibility

EFCM v9.7.4 is the minimum version of Brocade management software that should be used to manage Brocade switches deployed with FOS v6.2. EFCM v9.7.4 cannot manage the DCX-4S or platforms with the Virtual Fabrics feature enabled. For more information on migrating from previous versions of EFCM to EFCM v9.7.4, refer to the EFCM v9.7.4 Release Notes documentation.

Fabric OS Compatibility

The following table lists the earliest versions of Brocade software supported in this release, that is, the *earliest* supported software versions that interoperate. Brocade recommends using the *latest* software versions to get the greatest benefit from the SAN.

When using the new Virtual Fabrics feature, it is highly recommended that all switches participating in a fabric with a logical switch use the latest firmware available for those switches. All switches must be operating at minimum firmware levels noted in the FOS Interoperability table below.

When using any of Brocade's encryption platforms (Brocade Encryption Switch or Brocade FS8-18 blade in a DCX or DCX-4S) it is required that switches attached to hosts and targets or those that are part of the encryption flow be operating with minimum specified levels:

- 2Gb/4Gb platforms must operate with FOS v5.3.1b or later
- 4Gb/8Gb platforms must operate with FOS v6.1.0e, v6.1.1 or later (4Gb platforms may use v5.3.1b but are recommended to use the v6.x versions)
- M-EOS platforms must operate with M-EOS v9.8.0 or later for McDATA Fabric Mode (interopmode 2) or M-EOS 9.9.0 or later for Open Fabric Mode environments (interopmode 3)

For a list of the effective end-of-life dates for all versions of Fabric OS, visit the following Brocade Web site:

http://www.brocade.com/support/end_of_life.jsp

Supported Products and FOS Interoperability	
Brocade 2000-series switches	Not supported, end of support (December 2007)
Brocade 3000, 3200, 3800	v3.2.1c [1 6 9]
Silkworm 3014, 3016, 3250, 3850 and Brocade 3900, 4100, 4900, 24000, 7500, 7500E, 7600, 5000, 200E, 48000	v5.3.1b (2G and 4G platforms) and v6.1.0e and later [5] (4G platforms only)
Silkworm 12000	v5.0.x [6 9]
Brocade 4012, 4016, 4018, 4020, 4024, 4424	v5.3.1b, v6.1.0e and later [5]
Brocade 5410, 5480, 5424	v6.2.0
Brocade DCX, 300, 5100, 5300	v6.1.0e and later [5]
Brocade DCX-4S	v6.2.0
Brocade DCX with FS8-18 blade(s), Brocade Encryption Switch	v6.1.1_enc
Secure Fabric OS (on any model)	Not Supported
Mi10k, M6140, ED-6064, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700 (McDATA Fabric Mode and Open Fabric Mode) [2 4]	M-EOS v9.7.2 or later [3]
McDATA ED-5000 32-port FC director	Not Supported

Multi-Protocol Router interop	
Brocade 7420	XPath v7.4.1 [8]
Brocade 7500 and FR4-18i blade	v5.1.0 and higher [8]
McDATA SANRouters 1620 and 2640	M-EOSi v5.1.2 [7] [8] [10]

Table Notes:

[1] All zoning and fabric operations performed in a fabric with products running older versions of FOS should be done via interfaces to products running the latest version of FOS. This is particularly important for Brocade 3XXX series switches that do not support zoning configuration for newer products.

[2]Other M-EOS models may participate in a fabric with FOS v6.2, but may not be directly attached via E_port to any products running FOS v6.2. The McDATA ED-5000 director may not participate in a mixed M-EOS/FOS fabric.

[3]It is highly recommended that M-EOS products operate with the most recent version of M-EOS released and supported for interoperability. M-EOS 9.7.2 is the minimum version of firmware that is fully qualified to interoperate with FOS 6.2 or later. For support of frame redirection in McDATA Fabric Mode (interopmode 2), M-series products must use M-EOS v9.8 or later. For support of frame redirection in McDATA Open Fabric Mode (interopmode 3), M-series products must use M-EOS v9.9 or later. Only the ES-4400, ES-4700, M6140, and Mi10k may have devices directly attached that are having data encrypted or unencrypted.

[4]When routing to an M-EOS edge fabric using frame redirection, the M-EOS fabric must have a FOS-based product in order to configure the frame redirection zone information in the edge fabric.

[5]When directly attached to a Host or Target that is part of an encryption flow.

[6]Products operating with FOS versions less than v5.3.1b or v6.1.0e may not participate in a logical fabric that is using XISLs (in the base fabric).

[7]For Multi-Protocol router interop, FOS-based switches deployed in M-EOS fabrics should not be directly connected (via ISLs) to the M1620 / M2640 products, but rather attached to other M-EOSc/n switches and directors (M6140s, 4700s, Mi10ks, etc) running in McDATA Fabric Mode/Interopmode 2. McDATA Open Fabric Mode /Interopmode 3 are not supported.

[8]McDATA SANRouters 1620 and 2640 should not be used with XPath or FOS-based routing (FCR) for connections to the same edge fabric.

[9]These platforms may not be directly attached to hosts or targets for encryption flows.

[10]M-series SANRouters (1620/2640) may not participate in a fabric that has encryption services from a Brocade Encryption Switch or FS8-18 Encryption blade.

Fabric OS v6.2.0 software is fully qualified and supports the blades for the 48000 platform noted in the following table:

48000 Blade Support Matrix	
Port blade 16, 32 and 48-port 4Gbit blades (FC4-16, FC4-32, FC4-48), 16, 32 and 48-port 8Gbit blade (FC8-16, FC8-32, FC8-48), and the 6-port 10G FC blade (FC10-6)	Supported with any mix and up to 8 of each. No restrictions around intermix. The 48000 must run Fabric OS v6.0 or later to support the FC8-16 port blade and Fabric OS v6.1 or later to support the FC8-32 and FC8-48 port blades.
Intelligent blade	Up to a total of 4 Intelligent blades (includes iSCSI, FCIP/FCR and Application blade), FC4-16IP, FR4-18i, and FA4-18 respectively. See below for intermix limitations, exceptions, and a max of each blade.
iSCSI blade (FC4-16IP)	Up to a maximum of 4 blades of this type
FC-IP/FC Router blade (FR4-18i)	Up to a maximum of 2 blades of this type. This can be extended under special circumstances but must be approved by Brocade's Product Team. Up to 8 FR4-18i blades can be installed if they are used only for FC Fastwrite or FCIP without routing.
Virtualization/Application Blade (FA4-18)	Up to a maximum of 2 blades of this type.

Fabric OS v6.2.0 software is fully qualified and supports the blades for the DCX/DCX-4S noted in the following table:

DCX/DCX-4S Blade Support Matrix	
16-, 32- and 48-port 8Gbit port blades (FC8-16, FC8-32, FC8-48) and the 6-port 10G FC blade (FC10-6)	Supported with FOS v6.0 and above with any mix and up to 8/4 of each. No restrictions around intermix.
Intelligent blade	Up to a total of 8/4 intelligent blades. See below for maximum supported limits of each blade.
FC-IP/FC Router blade (FR4-18i)	Up to a maximum of 4 blades of this type. This can be extended under special circumstances, but must be approved by Brocade's Product Team. Up to 8 FR4-18i blades can be installed in a DCX if they are used only for FC Fastwrite or FCIP without routing.
Virtualization/Application Blade (FA4-18)	Up to a maximum of 4 blades of this type.
Encryption Blade (FS8-18)	Up to a maximum of 4 blades of this type.

Note: the iSCSI FC4-16IP blade is not qualified for the DCX/DCX-4S.

Power Supply Requirements for Blades in 48k and DCX/DCX-4S Chassis				
Blades	**Type of blade**	**48K**	**DCX/DCX-4S**	**Comments**
FC 4-16, FC 4-32, FC 4-48, FC 8-16, FC 8-32	Port Blade	2 Power Supplies	2 Power Supplies	• Distribute the Power Supplies evenly to 2 different AC connections for redundancy • Power Supplies must be 220V • Blades must meet minimum FOS levels to operate in 48K/DCX/ DCX-4S chassis (e.g. FC8-32 is not supported in 48K with FOS 6.0.x)
FC10-6, FC 8-48	Port Blade	4 Power Supplies	2 Power Supplies	
FR4-18i, FC4-16IP, FA4-18	Intelligent Blade	4 Power Supplies	2 Power Supplies	
FS8-18	Intelligent Blade	NA	DCX: 4 Power Supplies DCX-4S: 2 Power Supplies	• DCX requires 2+2 Power Supplies for redundancy in a mix of 4xFS8-18 and 4xOther Intelligent Blades. For DCX-4S, 2 Power Supplies provide redundant configuration with 4xFS8-18 Blades

Note: the iSCSI FC4-16IP blade is not qualified for the DCX/DCX-4S.

Secure Fabric OS

Secure Fabric OS (SFOS) is not compatible with FOS v6.2. Customers that wish to use the security features available in SFOS should upgrade to FOS v5.3 or later version, which includes all SFOS features as part of the base FOS. For environments with SFOS installed on switches that cannot be upgraded to FOS v5.3 or later version, FC routing can be used to interoperate with FOS v6.2.

FOS Feature Compatibility in Native Connectivity Modes

Some FOS features are not fully supported when operating in the native connectivity modes for deployment with M-EOS based products. All Brocade models that are supported by Fabric OS v6.2.0 support both intermode 2 and 3 with the exception of the Brocade 4100.

The following table specifies the support of various FOS features when operating in either interopmode 2 (McDATA Fabric Mode) or interopmode 3 (Open Fabric Mode) with Fabric OS v6.2.

FOS Features (supported in interopmode 0)	**FOS v6.2**	
IM = Interopmode	**IM 2**	**IM 3**
L2 FOS Hot Code Load	Yes	Yes
FOS Hot Code Load with FCR	Yes	Yes
Zone Activation Support	Yes	Yes[11]
Traffic Isolation Zones[1]	Yes	No
Frame Redirection (devices attached to FOS)[1]	Yes	Yes[11]
Frame Redirection (devices attached to M-EOS) [1]	Yes	Yes[11]
Frame Redirection over FCR[10]	Yes	Yes[11]
FCR Fabric Binding (route to M-EOS fabric with Fabric binding) [9]	Yes	Yes
L2 Fabric Binding	Yes	No*
DCC policies	No	No
SCC policies	Yes[4]	No*
E/Ex_Port Authentication	Yes	Yes
ISL Trunking (frame-level)	Yes[2]	Yes[2]
Dynamic Path Selection (DPS, exchange based routing)	Yes[3]	Yes[3]
Dynamic Load Sharing (DLS, port based routing)	Yes	Yes
Virtual Channels (VC RDY)	Yes[2]	Yes[2]
FICON Management Server (Cascading)	Yes	No*
FICON MIHPTO	Yes	No*
Full Scalability (to maximum M-EOS fabric limits)	Yes	Yes
Adaptive Networking: QoS	No	No
Adaptive Networking: Ingress Rate Limiting	No*	No*
Advanced Performance Monitoring (APM)	No*	No*
APM: TopTalkers	No*	No*
Admin Domains	No	No
Secure Fabric OS[5]	N/A	N/A
Fabric Watch	Yes	Yes
Ports on Demand (POD)	Yes	Yes
NPIV	Yes	Yes
Timer Server function (NTP)	No	No
Open E_Port[6]	N/A	N/A
Broadcast Zoning	No	No
FDMI	No	No
Remote Switch	No	No
Port Mirroring	Yes	Yes
Extended Fabrics	Yes	Yes[7]
Alias Server	No	No
Platform Service	No	No
FCIP (VE_Ports)	Yes	Yes
IPFC (IP over FC)	Yes[8]	Yes[8]
M-EOS ALPA 0x13 configuration	Yes	Yes
VE to VEX Port	Yes	Yes
Integrated Routing[9]	Yes[9]	Yes

FOS Features (supported in interopmode 0)	**FOS v6.2**	
IM = Interopmode	**IM 2**	**IM 3**
Domain Offset Support	No	No
239 Domain Support (available on Mi10k only)	N/A	Yes[12]
Masterless F_PORT Trunking (AG connect to FOS switches only)	Yes	Yes
FC10-6-to-FC10-6 ISL	Yes	Yes
RASLOG Events on duplicate WWNs	Yes	Yes
Virtual Fabrics	Yes	Yes
Logical Fabric using LISLs (XISLs in Base Fabric)	No	No

* indicates the feature is available but not officially tested or supported

1. Requires M-EOS 9.7 or later for redirection between devices attached to FOS switches, M-EOS 9.8 for redirection between devices attached to M-EOS switches, M-EOS 9.9 for use in McDATA Open Fabric Mode. Supported M-EOS platforms include M4400, M4700, M6140, and Mi10k.
2. Only allowed between FOS-based switches
3. DPS is supported outbound from FOS-based switches. (M-EOS can provide reciprocal load balancing using OpenTrunking).
4. SCC policies only supported in conjunction with L2 Fabric Binding support
5. Not supported in FOS 6.0 or later
6. Mode 3 only qualified with M-EOS switches
7. Not on FCR
8. Only supported locally within the FOS switch
9. All routers (EX_Ports) must reside in a backbone fabric running in interopmode 0 only. Only edge fabrics with devices imported to the backbone fabric or other edge fabrics may be operating in IM2 or IM3.
10. To support Frame Redirection to an edge M-EOS fabric, there must be at least one FOS switch in the edge fabric to configure Frame Redirection Zones.
11. Only Frame Redirection Zones may be configured on FOS platforms and sent to fabrics operating in McDATA Open Fabric Mode (interopmode 3). M-EOS 9.9 is required to support FR Zones in McDATA Open Fabric Mode.
12. Supported via FC Routing only. All routers in the backbone must be running FOS v6.2.

Note: FICON Cascaded CUP with M-EOS and FOS qualified only on select platforms.

Firmware Upgrades and Downgrades

Upgrading to Fabric OS v6.2.0 is only allowed from Fabric OS v6.1.0 or later. This policy to support only one-level migration, which began with FOS v6.0.0, provides more reliable and robust migrations for customers. By having fewer major changes in internal databases, configurations, and subsystems, the system is able to perform the upgrade more efficiently, taking less time and ensuring a truly seamless and non-disruptive process for the fabric. The one-release migration policy also reduces the large number of upgrade/downgrade permutations that must be tested, allowing Brocade to spend more effort ensuring the supported migration paths are thoroughly and completely verified.

All products supported by Fabric OS v6.1.0 or v6.1.1 can be upgraded to Fabric OS v6.2. The following is a list of products that can be upgraded to Fabric OS v6.2:

- 4012/4016/4018/4020/4024/4424/5424/5410/5480, 4100, 4900, 5000, 7500, 7600, 200E, 48000, BES and DCX.

The DCX-4S may not be downgraded from FOS v6.2.

All downgrades from FOS v6.2 require a restart and are disruptive to traffic. Platforms supporting Virtual Fabrics must have the feature disabled prior to downgrading below v6.2.

If you perform a firmware downgrade from Fabric OS v6.2.0 to v6.1.x on enterprise-class platforms, do not select the auto-reboot option when prompted (the default is no auto-reboot). Both of the CPs must be downgraded first and then rebooted at the same time to avoid 6.1/6.2 synchronization issues.

To ensure non-disruptive Hot Code Load (HCL), neighbor switches should be operating with FOS v6.2 prior to loading FOS v6.2 on the following platforms,:

4012, 4016, 4018, 4020, 4024, 4100, 200E

When upgrading to FOS v6.2 from FOS v6.1.0g or earlier, the CPs do not fully synchronize until both the new active and new standby CPs are running 6.2. This is normal behavior and the firmware upgrade is still not disruptive.

FOS v6.2 does not support concurrent FC Routing (EX_Ports) and TopTalkers features. Upgrading to FOS v6.2 requires that one of these features be disabled first.

The Brocade Encryption Switch and DCX with one or more FS8-18 blades may not be downgraded below FOS v6.1.1_enc.

The Brocade Encryption Switch and DCX with one or more FS8-18 blades may not be downgraded below FOS v6.2.0 if HP SKM Key Vault is configured. Doing so will result in loss of encryption services in HP SKM environments.

When Tape Encryption is configured on BES or DCX/DCX-4S with FS8-18 blade, downgrading to v6.1.1_enc will result in loss of Tape Encryption Services.

If there are multiple node EGs (encryption groups) in a fabric, please complete firmwaredownload on one node at a time before downloading on another node.

SAS Version Requirements for FA4-18 and Brocade 7600:

SAS v3.3.0 is the supported SAS version for FOS v6.2.0.

- When upgrading from FOS v6.1 to v6.2 and SAS 3.2.0 to SAS 3.30, first upgrade FOS v6.1 to v6.2 and then upgrade SAS from 3.2.0 to 3.3.0.
- When downgrading from FOS v6.2 to v6.1 and SAS 3.3.0 to SAS 3.2.0, first downgrade SAS from 3.3.0 to 3.2.0 and then downgrade FOS from v6.2 to v6.1.

Scalability

All scalability limits are subject to change. Limits may be increased once further testing has been completed, even after the release of Fabric OS. For current scalability limits for Fabric OS, refer to the *Brocade Scalability Guidelines* document, available under the *Technology and Architecture Resources* section at http://www.brocade.com/compatibility

FICON Support

The DCX-4S is not supported for FICON Cascading in interopmode 2 or 3 for use in mixed fabrics with M-EOS platforms.

Other Important Notes and Recommendations

Virtual Fabrics:

- On Virtual Fabrics capable platforms, the Virtual Fabrics feature must be enabled after upgrading to FOSv6.2 in order to utilize the related capabilities including Logical Switches and Logical Fabrics. On units that ship with FOS v6.2 or later installed, the Virtual Fabrics feature is enabled by default on capable platforms.
- When creating Logical Fabrics that include switches that are not Virtual Fabrics capable, it is possible to have two Logical Switches with different FIDs in the same fabric. Extra caution should be used to verify the FIDs match for all switches in the same Logical Fabric.
- The aptpolicy can be configured per logical switch. The Admin Guide indicates it is a chassis level setting.
- In order to support non-disruptive Hot Code Load on a Brocade 5100 with VF enabled, the total zoning DB size for the entire chassis should not exceed 1MB.

Licensing Behavior:

- When operating a switch with Fabric OS v6.2, some licenses may display as "Unknown." This is due to changes in licensing requirements for some features that no longer require a license key that may still be installed on a switch.

Encryption Behavior:

- Brocade encryption devices can be configured for either disk or tape operation. The ability to configure multiple Crypto-Target Containers defining different media types on a single encryption engine (Brocade Encryption Switch or FS8-18 Blade) is not supported. FS8-18 Encryption Blades can be configured to support different media types within a common DCX/DCX-4S chassis.
- When using Brocade Native Mode, in LKM installations, manual rekey is highly recommended. If auto rekey is desired, the key expiry date should be configured only when the LUN is created. Never modify the expiry date after configuring a LUN. If you modify the expiry time, after configuring the LUN the expiration date will not update properly.
- SKM is supported with Multiple Nodes and Dual SKM Key Vaults. Two-way certificate exchange is supported. Please refer to the Encryption Admin Guide for configuration information.
- The Brocade Encryption Switch and FS8-18 blade support registration of only one HPSKM Key Vault for FOS v6.2.0. Multiple HPSKMs Key Vaults can be clustered at the SKM server level. Registering of a second SKM key vault is not blocked. When the registered key vault connection goes down or the registered key vault is down, users are expected to either correct the connection with Key Vault or replace the failed SKM and re-register (deregister failed SKM entry and register the new SKM entry) on the Brocade Encryption Switch or FS8-18 blade. Users are expected to make sure that the replaced (new) SKM key vault is in sync with

the rest of the SKM units in Cluster in terms of Keys Database (user manually syncs the Key Database from existing SKM Key Vault in Cluster to new or replacing SKM Key Vault using SKM Admin Guide Provided Key Synchronization methods).

- When the tape key expires in the middle of write operation on the tape, the key is used to append the data on the tape media. When the backup application rewinds the media and starts writing to Block-0 again and if the key is expired then a new key is created and used henceforth. The expired key thereafter is marked as read only and used only for restore of data from previously encrypted tapes.

- For dual LKM configuration on the Brocade Encryption Switch (BES) or a DCX/DCX-4S with FS8-18 blades as the primary and secondary key vaults, these LKM appliances must NOT be clustered (linked).

- The RKM Appliance A1.6, SW v2.2 is supported. The procedure for setting up the RKM Appliance with BES or a DCX/DCX-4S with FS8-18 blades is located in the Encryption Admin Guide.

- With Windows and Veritas Volume Manager/Veritas Dynamic Multipathing, when LUN sizes less than 400MB are presented to BES for encryption, a host panic may occur and this configuration is not supported for 6.2 release.

- HCL from FOS v6.1.1_enc to v6.2.0 is supported. Cryptographic operations and I/O will be disrupted but other layer 2 traffic will not.

- Relative to the BES and a DCX with FS8-18, all nodes in the Encryption Group must be at the same firmware level of FOS v6.2.0 before starting a rekey or First Time Encryption operation. Make sure that existing rekey or First Time Encryption operations complete before upgrading any of the encryption products in the Encryption Group. Also, make sure that the upgrade of all nodes in the Encryption Group to FOS v6.2.0 completes before starting a rekey or First Time Encryption operation.

- To cleanup the stale rekey information for the LUN, follow one of the following two methods:

Method 1:

- First, modify the LUN policy from “encrypt” to “cleartext” and commit. The LUN will become disabled.

- Enable the LUN using “cryptocfg --enable –LUN”. Modify the LUN policy from “clear-text” to “encrypt” with “enable_encexistingdata” to enable the first time encryption and do commit. This will clear the stale rekey metadata on the LUN and the LUN can be used again for encryption.

Method 2:

1. Remove the LUN from Crypto Target Container and commit.
2. Add the LUN back to the Crypto Target Container with LUN State=”clear-text”, policy=”encrypt” and “enable_encexistingdata” set for enabling the First Time Encryption and commit. This will clear the stale rekey metadata on the LUN and the LUN can be used again for encryption

- A new LUN state is being introduced: **"Disabled (Key not in sync)."** This new state indicates re-keying was started on a remote EE but the local EE is not capable of starting re-key because it does not have the KeyID which was used by the remote EE in re-keying (i.e. newest key returned from key vault does not match with the KeyID used by remote EE). User needs to use "cryptocfg --discoverLUN <Container Name>" interface to re-enable the LUN only after the keys are synced between two key vaults properly.

Frame Redirection

- In v6.2 Frame Redirection zoning is not allowed with Default Zoning ("all access" in IM0 and default zone in IM2). This was allowed in prior releases. There is no SW enforcement to block the upgrade.

Adaptive Networking/Flow-Based QoS Prioritization:

- When using QoS in a fabric with 4G ports or switches, FOS v6.0 or later must be installed on all products in order to pass QoS info. E_Ports from the DCX to other switches must come up AFTER 6.0 is running on those switches.
- Flow based QoS is NOT supported on FC8 blades in the Brocade 48000.
- Any products that are not capable of operating with FOS 6.0 may NOT exist in a fabric with Flow based QoS. Major problems will occur if previous generation 2G products exist in the fabric.
- For the Brocade 4100 and 5000, if all of the ports are E_Ports and the switch is upgraded to Fabric OS v6.2.0, the buffers on the E_Ports are changed to utilize the QoS model. If the switch is rebooted, 28 of 32 ports will come up in QoS mode; the last four ports will come up in buffer-limited mode. Workarounds include disabling long distance configuration for these ports or explicitly disabling QoS on other ports, freeing up buffers for the last four ports.

FCR

- All FCR switches need to be running FOS v6.2 in order to support M-EOS 239 Domain Mode on the i10K

FCR Backbone Fabric ID changes:

- With FC8 blades, the switch must be disabled to change the backbone fabric ID
- With routing and dual backbone fabrics, the backbone fabric ID must be changed to keep the IDs unique.

Traffic Isolation over FCR

- All switches and Fibre Channel Routers both in edge and backbone fabrics must be running FOS v6.1.0 or later in order to support this feature.
- In order for Traffic Isolation over FCR to function properly, the associated TI zones in each fabric (edge and backbone) need to have failover ENABLED.

Integrated Routing

- To allow Hot Code Load on a Brocade 5100 when using Integrated Routing, the edge switch connected to the 5100 must be running Fabric OS v6.1 or later code.
- The Brocade 5100 does not support Hot Code Load from FOS 6.1.0 to 6.2 in a dual backbone configuration with a routed connection to an M-EOS product.

- Integrated Routing EX_Ports are only supported in the base switch on a switch with VF enabled. To test Integrated Routing functionality, disable the VF feature (fosconfig --disable vf) first.
- Integrated Routing and TopTalkers are not concurrently supported in FOS v6.2. To use Integrated Routing, be sure to first disable TopTalkers prior to configuring EX_Ports.

Access Gateway

- When in Access Gateway mode, the Automatic Port Configuration policy may not work when attached to M-EOS switches. M-EOS ports should be set to G_port to prevent problems with port type discovery.

FCS Automatic Distribution

- When using the FCS Automatic Distribution feature in Fabric OS v6.0 or later, all switches in the fabric must be running FOS v6.0 or later. If any switches are running FOS v5.x or earlier, only manual distribution can be used.
- FOS v6.0 or later will only allow FCS automatic distribution when in strict mode, requiring only switches with FOS v6.0 or later.

FIPS

- FIPS mode should not be enabled on the Brocade 200E. If FIPS is enabled, the 200E will not boot.

LDAP

- When using LDAP, downgrades from FOS v6.2 to prior releases requires user intervention. Authentication must be set to local and back to LDAP in order to continue using LDAP authentication.

FCAP

- Due to limitations with the certificates, FCAP authentication cannot be supported on user defined logical switches. FCAP will continue to function with existing certificates for non-VF and the default logical switch of VF enabled switches. (Note: authutil is not restricted from other logical switches, at this time, so this can still be enabled on unsupported LS.)
- pkicert(1.06) utility may cause evm errors, so each new switch should be isolated from fabric, in non-vf mode, to install new certificates.
- For FIPS mode, certificates need to be installed prior to FIPS activation.

FICON

- For the DCX, FICON CUP is not allowed with a 48-port blade in the Default Logical Switch. All ports on a 48 port blade must be assigned to a user-defined Logical Switch to use them in a FICON CUP enabled switch.
- PDCM changes configured via WebTools must be activated with the edit window if the "Active=Saved" mode is enabled. Please refer to Defects 237196 and 235465 for more information and work-around procedures.
- When RSCNs are sent out on behalf of the CUP for switchname changes in interopmode 2, the mainframe channels will interpret those RSCNs as though a path (or paths) may have gone down. This will force the channel(s) into a form of recovery whereby they send TINs to the CUP to verify the logical paths that are still established to the CUP. This will result in mainframe console messages indicating that this type of recovery has occurred.

Port Mirroring

- On the Brocade 5300, the port mirroring feature has a limitation where all port mirror resources must stay within the same ASIC port group. The resources are the configure mirror port, Source Device, and Destination Device or ISL, if the Destination Device is located on another switch. The ASIC port groups are 0-15, 16-31, 32-47, 48-63, and 64-79. The routes will be broken if the port mirror resources are spread across multiple port groups.
- Port Mirroring is not supported on a switch with the Virtual Fabrics feature enabled.

10G Interoperability

- 10G interop between FC10-6 and McDATA blades is not supported due to a HW limitation, however the FC10-6 is supported in a chassis running in Interopmode 2 or 3 (FC10-6 to FC10-6 connections only). An FC10-6 blade will not synchronize with a McDATA 10G blade but will not negatively impact the system.

Port Fencing

- When the port fencing feature is enabled for ITW or CRC errors, the first set of errors detected on an active link that meet the custom high threshold level set by the user (or the default threshold level) is always ignored to account for expected link transition errors. The port is only disabled upon detection of a second set of errors, i.e. the next time the user-set threshold level (or default threshold level) is reached. This prevents a port from being disabled due to normal link transition behaviors.
- When using the Port Fencing feature, you must first run the fwalarmsfilterset command. This command enables the port and allows you to receive Port Fencing messages.
- Port Fencing can be inadvertently disabled from Web Tools. This happens when you do the following:

    1. Open the Fabric Watch configuration window.
    2. Check the "SNMP Trap" checkbox in the "Above" row.

    This change in WebTools disables Port Fencing. If this happens, you must re-enable the Port Fencing bit from the command line interface.

Extended Fabrics and R_RDY Flow Control

- Beginning with Fabric OS v5.1, Brocade supported the Extended Fabrics feature in conjunction with R_RDY flow control (R_RDY flow control mode can be enabled via portCfgISLMode command). R_RDY flow control mode that uses IDLE primitives does not support Brocade frame-based Trunking for devices such as Time Division Multiplexor (TDM.) In order to overcome this limitation and provide support for frame-based Trunking with Extended Fabrics, Fabric OS v6.2 has been enhanced to support interoperability with these distance extension devices.

    Fabric OS v6.2 allows Extended Fabrics E_ports to operate in VC_RDY mode using either ARB or IDLE primitives as fill words. This allows frame-based Trunking to be supported on Extended Fabrics E-ports even when IDLE primitives are configured for these ports when operating in native VC_RDY mode. Prior to this change, frame-based Trunking was supported only when ARB primitives were used in VC_RDY mode. With Fabric OS v6.2,

frame-based Trunking is supported on Extended Fabrics E_ports regardless of whether IDLE or ARB primitives are used when operating in native VC_RDY mode.

Implementation

The portcfglongdistance CLI parameter "VC Translation Link Init" is now overloaded to specify if the long distance link should use IDLE or ARB primitives. By default vc_init is enabled. If vc_init is enabled, the long distance link will use ARB primitives. If vc_init is disabled, the link will use IDLE primitives.

Note:

Buffer to Buffer Credit Recovery feature is not supported on Extended Fabrics E_port when it is configured to use IDLE primitives. The user must disable buffer to buffer credit recovery feature using the command portcfgcreditrecovery and specifying the disable option; otherwise, the link will continuously reset.

The Adaptive Networking SID/DID Traffic Prioritization QoS feature is not supported on Extended Fabrics E_ports when IDLE primitives are configured on these ports. This is because in this mode only data Virtual Channels are available while QoS related virtual channels are not available.

When connecting to an extension device that does not support ARB primitives (such as some TDM products), the following configuration must be used:

portcfgqos -disable <port>
portcfgcreditrecovery –disable <port>
portCfgLongDistance <port> <LD|LD> 0 <distance>

The fabric parameter "fabric.ops.mode.longdistance" is now deprecated and should not be used.

Documentation Updates

This section provides information on last-minute additions and corrections to the documentation. The most recent Fabric OS v6.2.0 documentation manuals are available on the Brocade Partner Network: *http://partner.brocade.com/*

Brocade Fabric OS Administrator's Guide (Publication Number 53-1001185-01)

In chapter 4, "Configuring Advanced Security" on page 146 under the heading "Example of an End-to-End Transport Tunnel mode" replace the word BRCD7500 with Remote Host and replace steps 1 through 9 with the following:

Secure traffic between two systems using AH protection with MD5 and configure IKE with pre-shared keys. The two systems are a switch, BROCADE300 (IPv4 address 10.33.74.13), and an external host (10.33.69.132).

1. On the system console, log in to the switch as Admin and enable IPsec.

```
switch:admin> ipsecconfig –enable
```

2. Create an IPsec SA policy named AH01, which uses AH protection with MD5.

```
switch:admin> ipsecconfig --add policy ips sa –t AH01 \
```

```
-p ah -auth hmac_md5
```

3. Create an IPsec proposal IPSEC-AH to use AH01 as SA.

```
switch:admin> ipsecconfig --add policy ips sa-proposal \
-t IPSEC-AH -sa AH01
```

4. Configure the SA proposal's lifetime in time units.

```
switch:admin> ipsecconfig --add policy ips sa-proposal \
-t IPSEC-AH -lttime 280000 -sa AH01
```

5. Import the pre-shared key file (for example, ipseckey.psk) using the **secCertUtil** command.

6. Configure an IKE policy for the remote peer.

```
switch:admin> ipsecconfig --add policy ike -t IKE01 \
-remote 10.33.69.132 -id 10.33.74.13  -remoteid 10.33.69.132 \
-enc 3des_cbc -hash hmac_md5 -prf hmac_md5 -auth psk \
-dh modp1024 -psk ipseckey.psk
```

NOTE
IKE version ('-v' option) needs to be set to 1 (IKEv1) if remote peer is Windows XP/2K Host (Windows XP/2K does not support IKEv2)

7. Create an IPsec transform named TRANSFORM01 to use transport mode to protect traffic identified for IPsec protection and use IKE01 as key management policy.

```
switch:admin> ipsecconfig --add policy ips transform \
-t TRANSFORM01 -mode transport -sa-proposal IPSEC-AH -action \
protect -ike IKE01
```

8. Create traffic selectors to select the outbound and inbound traffic that needs to be protected.

```
switch:admin> ipsecconfig --add policy ips selector \
-t SELECTOR-OUT -d out -l 10.33.74.13 -r 10.33.69.132 \
-transform TRANSFORM01

 switch:admin> ipsecconfig --add policy ips selector \
 -t SELECTOR-IN -d in -l 10.33.69.132 -r 10.33.74.13 \
 -transform TRANSFORM01
```

9. Verify the IPSec SAs created with IKE using the **ipsecConfig --show manual-sa -a** command.

10. Perform the equivalent steps on the remote peer to complete the IPsec configuration. Refer to your server administration guide for instructions.

On page 150, in Table 41, the row for IPSec applies to FCIP IPSec. For IPSec (Ethernet), only MD5 is blocked in FIPS mode. DH group 1 is FIPS compliant and is not blocked.

On page 351, in the section "Limitations and restrictions of Traffic Isolation," add the following items:

- Two N_Ports that have the same shared area cannot be configured in different TI zones. This limitation does not apply to E_Ports that use the same shared area.

- Ports that are in different TI zones cannot communicate with each other if failover is disabled, even if they are in the same (regular) zone.

  For example, the following figure shows two hosts and three targets in two TI zones. Assume that Host 1, Host 2, Target 1, Target 2, and Target 3 are also included in a regular zone, Zone A. Even though the hosts and targets are all in the same zone, if failover is disabled on the TI zones, traffic from Host 1 is isolated to the dashed line and Host 1 cannot communicate with Target 2. Likewise, traffic from Host 2 is isolated to the dotted line and Host 2 cannot communicate with Target 1.

  Host 1 *can* communicate with Target 3, however, because even though N_Port 3 is in a different TI zone than Host 1, Host 1 and Target 3 are connected to the same switch, with no E_Ports between.

In chapter 16, "Using the FC-FC Routing Service," under the section Supported Configurations on page 428, add the following note after the last paragraph:

> In configurations with two backbones connected to the same edge fabric, routing is not supported between edge fabrics that are not directly attached to the same backbone. Routing over multiple backbones is a multi-hop topology and is not allowed.

In chapter 20, "Configuring and Monitoring FCIP Extension Services," under the heading "Constraints for FC Fastwrite" on page 540, the following bullet should be added to the list of bullets:

- Connecting E_Ports to ports already configured for FC Fastwrite is not supported.

On page 420, in the section "QoS zones," replace the last paragraph on the page (the paragraph starting with "A QoS zone has a special name…") with the following:

A QoS zone has a special name, to differentiate it from a regular zone. The format of the QoS zone name is as follows:

For high priority:	QOSH*id_xxxxx*
For low priority:	QOSL*id_xxxxx*

Where *id* is a flow identifier that designates a specific virtual channel for the traffic flow and *xxxxx* is the user-defined portion of the name. For example, the following are valid QoS zone names:

QOSH3_HighPriorityTraffic
QOSL1_LowPriorityZone

The switch automatically sets the priority for the "host,target" pairs specified in the zones based on the priority level (H or L) in the zone name.

The flow *id* allows you to have control over the VC assignment and control over balancing the flows throughout the fabric. The *id* is from 1 – 5 for high priority traffic, which corresponds to VCs 10 – 14.

For low priority traffic, the *id* is from 1 – 2, which corresponds to VCs 8 and 9. The *id* is optional; if it is not specified, the virtual channels are allocated using a round-robin scheme.

On page 424, in the section "Setting traffic prioritization," replace step 2 with the following:

2. Enter the **zoneCreate** command. The format varies depending on whether you want high or low priority traffic.

   - For high priority traffic, use the following syntax:
     `zonecreate "QOSH`*`id_zonename`*`", "`*`member`*`[; `*`member`*`…]"`
   - For low priority, use the following syntax:
     `zonecreate "QOSL`*`id_zonename`*`", "`*`member`*`[; `*`member`*`…]"`

   where:

id	A flow identifier that indicates a specific virtual channel to which the traffic is assigned. This value is from 1 – 5 for high priority traffic and from 1 – 2 for low priority traffic.
zonename	The user-defined part of the name of the zone to be created.
member	A member or list of members to be added to the zone. A zone member must be specified using WWN only.

Brocade Fabric OS Command Reference (Publication Number 53-1001186-01)

On page 89, **cfgDefault** command and associated man page: The new −chassis parameter introduced in this release is currently unavailable. When you execute configdefault −chassis in the root or admin role, a permission denied message is displayed. Use the −all parameter instead.

On page 543, **portCfg** command and associated man page, the following should be changed:

- Under the ipf parameter, the sentence "The IP network connection between two 7500 routers or two **FC4-18i** blades is configured…" should read: "The IP network connection between two 7500 routers or two **FR4-18i** blades is configured…"

On page 787"systemVerification" command and associated man page, the following should be changed:

- Test target: "all switches in a system. " Should read "a switch or a chassis"
- The **-fru** *type* parameter is invalid and should not be used.
- The first note in the Notes section should read: "The switch must be offline for this command to run. If Virtual Fabrics are enabled on the switch, run chassisDisable to take all Logical Switches offline."
- The third note in the Notes section should read: "On platforms that include a security processor, you must disable the security processor by running **cryptocfg --disableEE** ***slot*** before running **systemVerification**. You must re-enable the security processor with **the cryptocfg -enablEE** ***slot*** command once system verification is complete."

- The following note should be added to the Notes section: “Do not perform any configuration changes such as **configUpload** or **configDownload** while the **systemVerification** test is in progress.”

On page 853: The permission table in the command availability chapter, Appendix A, for the **aptpolicy** command incorrectly states that the command requires chassis permissions. This is not the case as this command is executed on a per logical switch basis. The context value for **aptpolicy** should read VF and the switch type is “All”.

The following error should be corrected in the man page for the **configure** command:

- The man page currently states about the *Allow XISL use* parameter: “On the Brocade 5100 or 5300 default switch, the feature is disabled by default (default value: yes).”
- The description should be corrected to read: “On the Brocade 5100 or 5300 default switch, the feature is disabled by default (default value: no).”
- Note that the corresponding description in the Command Reference (page 107) is correct.

Fabric OS Troubleshooting and Diagnostics Guide (Publication Number 53-1001187-01)

On page 47, in the “Preinstallation Messages” section, append the first paragraph and following courier text with the following additional information:

The blocking cases, except the new cases specific to Fabric OS v6.2.0, can be removed. The blocking cases are not accumulative from version to version.

```
Downgrade is not allowed because VF is enabled. Please run
"lscfg --config" and "lscfg --delete" commands to remove
the non-default LS first, then run "fosconfig --disable vf"
to disable VF before proceeding."

Downgrade is not allowed because AG is enabled. Please run
"ag --modedisable" command to disable AG mode before
proceeding."

Non-disruptive firmwaredownload is not supported when
downgrading to 6.1. Please use firmwaredownload -s to
download the 6.1 firmware.

The FS8-18 (type 43) blade is not supported by the target
firmware. Please use slotshow to find out which slot it is
in and remove it first."

DCX-4S is not supported by the target firmware. Please try
to download another firmware.
```

Access Gateway Administrator’s Guide (Publication Number 53-1001189-01)

The entry for the brocade 5100 in Table 11 (Access Gateway Default F_Port-to-N_Port Mapping) on page 55 should read as follows:

F_Ports are ports 0-31 and N_Ports are ports 32-39.

Brocade DCX Backbone Hardware Reference Manual (Publication Numbers 53-1000685-01 through -05)

All references to the FC4-16IP blade (iSCSI blade) should be ignored. The DCX Backbone does NOT support the FC4-16IP.

Brocade DCX-4S Hardware Reference Manual (Publication Number 53-1001191-01)

The entry for step 8 on page 65 should be deleted. When you pull the WWN card out by the pull tab (step 7), it unplugs directly from the backplane.

The entry for step 2 on page 66 should read as follows:

2. Hold the card by the pull tab and plug the card into the backplane. Use the Philips screwdriver and the captive screw to attach the WWN card to the chassis.

Brocade 5100 Hardware Reference Manual (Publication Number 53-1000854-02)

Table 1 on page 19 describes LED operation for the power supply. Following is an addition to this table.

LED Name	**LED Color**	**Status of Hardware**	**Recommended Action**
Power Supply Status	Flashing green	Power supply failure.	Replace power supply.

Brocade 7500 Extension Switches Hardware Reference Manual (Publication Number 53-1000026-04)

Table 4 on page 25 describes LED operation for the Fibre Channel ports. Following is an addition to this table that describes operation of the two GbE ports.

LED Name	LED Color	Status of Hardware	Recommended Action
Port Status	No light	No signal or light carrier (media or cable) detected. No SFP installed or faulty SFP.	Verify the unit power LED is on, and check the SFP and cable. Install or replace SFP.
	Steady green	An SFP is installed and functioning, and the link is up.	No action required.
	Flashing green	Activity on port.	No action required.
	Steady amber	SFP is installed, but not connected or the link is not up.	No action required.

Brocade 48000 Hardware Reference Manual (Publication Number 53-0000645-05)

A fully populated Brocade 48000 with eight FC8-32 or eight FC8-16 port blades does not have enough power with only one power supply. It is recommended that the 48000 be configured with four power supplies in this scenario. The blades will not power down or fail to power up unless three power supplies fail. A fully populated 48000 will continue to operate properly with two power supplies.

The Hardware Components section on page 2 should include the following sub-bullet beneath the "Modular hot-swappable field replaceable units (FRUs) bullet:

- Two power supplies are required at all times in a fully-populated 48000 chassis.

Brocade SilkWorm 200E Hardware Reference Manual (Publication Number 53-0000633-03)

Table 3-2 "System Status LED Patterns During Normal Operation" has the incorrect behavior listed in row three. Instead of reading *Slow-flashing green*, it should read *Flashing amber/green*.

Under "Regulatory Compliance" in "Product Specifications" (Appendix A), add the following statement:

Power Cords (Japan, Denan)

注意 – 添付の電源コードを他の装置や用途に使用しない
添付の電源コードは本装置に接続し、使用することを目的として設計され、その安全性が確認されているものです。決して他の装置や用途に使用しないでください。火災や感電の原因となる恐れがあります。

Attention: Never use the power cord packed with your equipment for other products.

Brocade SilkWorm Multiprotocol Router Model AP7420 Hardware Reference Manual (Publication Number 53-1000179-01)

Under "Regulatory Compliance" in "Specifications and Regulatory Compliance" (Appendix A), add the following statement:

Power Cords (Japan, Denan)

注意 – 添付の電源コードを他の装置や用途に使用しない
添付の電源コードは本装置に接続し、使用することを目的として設計され、その安全性が確認されているものです。決して他の装置や用途に使用しないでください。火災や感電の原因となる恐れがあります。

Attention: Never use the power cord packed with your equipment for other products.

Brocade Mi10K Director Installation and Service Manual (Publication Number 53-1000711-01)

Step 10 on page 2-13 should be the following:

Change the IP address, subnet mask, and gateway address as directed by the customer. To change the addresses, type the following and press **Enter**.

system ip address xxx.xxx.xxx.xxx yyy.yyy.yyy.yyy zzz.zzz.zzz.zzz

The IP address is xxx.xxx.xxx.xxx, the subnet mask is yyy.yyy.yyy.yyy, and the gateway address is zzz.zzz.zzz.zzz, where the octets xxx, yyy, and zzz are decimals from zero through 255. If an address is to remain unchanged, type the current address in the respective field.

Defects

Open Defects in Fabric OS v6.2.0

This section lists defects with Critical, High and Medium Technical Severity open in Fabric OS v6.2.0 as of 11/10/08. While these defects are still formally "open," they are unlikely to impede Brocade customers in their deployment of Fabric OS v6.2.0 and have been deferred to a later release.

None of these defects have the requisite combination of probability and severity to cause significant concern to Brocade customers.

Note that when a workaround to an issue is available, it is provided; otherwise, no recommended workaround is available at this time.

Defect ID:	DEFECT000208039	**Technical Severity:**	High
Summary:	In a large fabric (50+ switches), simultaneously disabling and enabling all switches could result in some switches stuck in F2 (unconfirmed) state.		
Symptom:	After disabling and enabling all switches simultaneously, some switches still have domain unconfirmed and are stuck in "F2" state.		
Workaround:	Disable and enable the switches that are stuck in F2 (domain ID not yet confirmed) state independently.		
Feature:	FC Services	**Function:**	Fabric
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000222780	**Technical Severity:**	High
Summary:	The WWN sent via SNMP when the port is segmented due to interopmode mismatch may be incorrect		
Symptom:	Incorrect WWN maybe returned for the connUnitLinkPortWwnY and because of that EFCM may showing wrong connection.		
Feature:	FC Services	**Function:**	Fabric
Reported In Release:	FOS6.1.1	**Probability:**	Medium

Defect ID:	DEFECT000223155	**Technical Severity:**	High
Summary:	As a result of creating a cryptoLUN, a host can use a target even though they are not in the same zone.		
Symptom:	Re-direction zoning could enable access to a target for which the initiator (host) is not zoned to. When a frame redirect zone exists for a Host and Target, and the Host is zoned with anything, but not zoned with the Target, it is possible for the Host to communicate with the redirected Target.		
Workaround:	If a Host and Target are no longer zoned together, then the user should also remove the associated container (i.e., frame redirect zone) for this Host/Target pair. This will prevent Host/Target communication for this pair via the container (i.e. redirection).		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.1.1_enc	**Probability:**	High

Defect ID:	DEFECT000226808	**Technical Severity:**	High
Summary:	Occasionally during the firmware upgrade process, the 1250 processor is still rebooting when the FCR routes are being processed resulting in missing FCR routes and unable to route traffic across VEX ports.		
Symptom:	I/O running through VEX ports or devices imported/exported via VEX ports will be dropped after firmware upgrade.		
Workaround:	Disable & enable all VEX ports		
Feature:	FOS Software	**Function:**	FCIP
Reported In Release:	FOS6.0.0	**Probability:**	Medium

Defect ID:	DEFECT000233248	**Technical Severity:**	High
Summary:	If using Webtools to perform cfgsaveactivetodefined with a zone file close to the maximum size		

	in an interop mode fabric with more than 20 switches, the weblinker process may get terminated.		
Symptom:	Webtools session gets invalidated.		
Workaround:	Use "cfgsaveactivetodefined" from CLI		
Feature:	Mgmt Embedded - HTTP	**Function:**	Zone Admin
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000234113	**Technical Severity:**	High
Summary:	In a mixed fabric of VF enabled and non-VF switches, a VF enabled switch may not be able to detect the FID conflict with the other VF enabled switch, if there are non-VF switches in the path interconnecting the VF enabled switches		
Symptom:	Logical switches with different FID may be allowed to participate in the same fabric.		
Workaround:	Follow the raslog errors FABR-1044 or FABR-1043 displayed by switches in the fabric to identify the offending switch and resolve the FID conflict.		
Feature:	FC Services	**Function:**	Fabric
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000234361	**Technical Severity:**	High
Summary:	Fabric mode TT does not show all the flows when device port is disabled and enabled back after TT monitor installation		
Symptom:	When installing Fabricmode TT on an edge switch that has no F_Ports present, if an F_Port subsequently comes online no flows are added on the edge switch.		
Workaround:	If Fabric topology changes, user may need to uninstall and reinstall fabricmode TT.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235465	**Technical Severity:**	High
Summary:	IPL file is not getting updated, when a PDCM matrix is activated using Web Tools with "Active=Save Mode" checked.		
Symptom:	The active configuration and the IPL file would not match when the configuration file is activated using Web Tools with "Active=Save Mode" checked.		
Feature:	FICON	**Function:**	Ficud
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235578	**Technical Severity:**	High

Summary:	CUP Port present CU-Busy on one path and never sending CU-End to clear busy		
Symptom:	CUP can fail to send CUE when SAK is expecting it. A Logical Path will quit sending chains, if it does not receive a CUE, when expecting it. The CUP is still responsive, but the host is waiting for the CUE.		
Workaround:	None - If single Logical Path, there is no problem, but with Multiple Logical Path, it may drop a CUE		
Feature:	FICON	**Function:**	Ficud
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235896	**Technical Severity:**	High
Summary:	Customer allowed to issue a reset allegiance from Webtools		
Symptom:	Will observe a traffic disruption after reset allegiance.		
Feature:	FOS Software	**Function:**	Web Management
Reported In Release:	FOS6.1.0	**Probability:**	High

Defect ID:	DEFECT000235922	**Technical Severity:**	High
Summary:	With McData default zone enabled, when numerous NPIV devices in the default zone come online at the same instant, some devices were missing from portcam table		
Symptom:	Unable to communicate with a device in the default zone		
Workaround:	This is due to multiple devices login simultaneously. So apply portdisable to all ports connected to the devices and apply portenable sequentially. This will resolve the issue. NPIV devices in IM2 default zone is not supported. NPIV devices should be part of the active zone configuration.		
Feature:	FC Services	**Function:**	Name Server
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236028	**Technical Severity:**	High
Summary:	In some rare scenarios, when HA Failover performed prior to Name Server being in sync, RSCNs were delivered		
Symptom:	No visible impact to customer		
Feature:	FC Services	**Function:**	Name Server
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236580	**Technical Severity:**	High
Summary:	Standby CP rebooted unexpectedly during non-disruptive firmware upgrade from v6.1.0 to v6.2.0		
Symptom:	The customer will see 6.1 standby CP reboot. After the reboot it will be working fine and firmware upgrade will continue.		
Workaround:	System will recover and no workaround is needed.		
Feature:	Infrastructure	**Function:**	HA
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236713	**Technical Severity:**	High
Summary:	The mibcapability option of snmpconfig could not control some FICON-MIBs.		
Feature:	FOS Software	**Function:**	Management Services
Reported In Release:	FOS6.1.1	**Service Request ID:**	351727

Defect ID:	DEFECT000236972	**Technical Severity:**	High
Summary:	supportsave: supportsave slot transfer failed for (FS8-18) blade after FAULTY (79) code		
Symptom:	BP SS will not be collected		
Feature:	RAS	**Function:**	FFDC/Supportsave
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000237413	**Technical Severity:**	High
Summary:	FC FastWrite to a specific storage device causes I/O to fail.		
Symptom:	With FC FastWrite on, host cannot write I/O to disk array. When FC FastWrite is off, host is able to write I/O to disk array. We need to be able to write I/O to disk array with FC FastWrite ON.		
Workaround:	Disable FC FastWrite feature with the failing storage device or port disable/portenable host and device ports that are experiencing the failures.		
Feature:	FCIP	**Function:**	FCIP I/O
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237552	**Technical Severity:**	High
Summary:	IPC message from module CALD to Management Server is dropped by Management server. This causes CALD module to wait indefinitely		
Symptom:	User may experience problem with management application while traffic still passes without any		

	problem. Console will log: cald queue full message.		
Feature:	FOS Software	**Function:**	Management Services
Service Request ID:	355965		
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000237564	**Technical Severity:**	High
Summary:	HA cluster member node (BES) faults as a result of slot powercycling its HA cluster peer (FS8-18)		
Symptom:	BES is faulted.		
Workaround:	Reboot the BES		
Feature:	Data Security	**Function:**	Tape Encryption
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237595	**Technical Severity:**	High
Summary:	firmwaredownload of v6.2.0 pre-GA image and reboot of all nodes caused 1 BES in 4 node EG to be faulted		
Symptom:	In a scalable environment, firmware download may cause BES to fault. If BES switches are deployed in an HA cluster (HAC), there will not be any loss of service as LUNs/containers will be picked up (hosted) by HAC peer. If deployed in DEK cluster, host MPIO will trigger failover to other BES switch in DEK cluster and hence there will not be any loss of service.		
Workaround:	Reboot faulted switch.		
Feature:	Data Security	**Function:**	Disk Encryption
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237596	**Technical Severity:**	High
Summary:	HCL caused HBA to loose paths on a 5300 with Linux AS 4 or 5 with certain HBA		
Symptom:	Vendor specific application will show the HBA as offline after HCL on connected switch.		
Workaround:	Configure the HBA link as point-to-point, this issue will not happen.		
Feature:	FC10-6 Platform Services	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237701	**Technical Severity:**	High
Summary:	Observed kernel panic on a DCX in RTE module.		

Symptom:	Very rarely, a DCX will panic and hafailover during supportsave.		
Feature:	FOS Software	**Function:**	FC Layer 2 Routing
Service Request ID:	SR359167		
Reported In Release:	FOS6.1.1	**Probability:**	Low

Defect ID:	DEFECT000237786	**Technical Severity:**	High
Summary:	Sometimes config file downloaded may cause the configdownload command to crash.		
Symptom:	Customer may notice configdownload utility crash during the configuration download.		
Workaround:	Disable the switch and then attempt configdownload.		
Feature:	Infrastructure	**Function:**	Config Download
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000206033	**Technical Severity:**	Medium
Summary:	About the Severity Level on Fabric OS Message Reference.		
Feature:	Tech Pubs	**Function:**	FUNCTIONAL SPECIFICATION
Service Request ID:	RQST00000067419		
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000206760	**Technical Severity:**	Medium
Summary:	If user selects authentication type as "all", in interop modes the default authentication type is still FCAP between FOS switches.		
Symptom:	Authentication will fail between two FOS switches in interop mode if the authentication type is set to "all". FCAP requires PKI certificates and the PKI commands are currently blocked in interop modes.		
Workaround:	Set authentication type to DHCHAP		
Feature:	Fabric Infrastructure	**Function:**	Security
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000207126	**Technical Severity:**	Medium
Summary:	Invalid IPv6 iproute automatically gets created while creating an IP route		
Symptom:	May see an Invalid IPv6 iproute when routes configured are displayed		
Workaround:	Ignore the route table entry displayed.		

Feature:	FCIP	**Function:**	FCIP CLI
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000207213	**Technical Severity:**	Medium
Summary:	In interop mode 2, with Default Zone enabled, the user can activate only 2047 Zones per Zone Set.		
Symptom:	Webtools and CLI appear to activate a zone set consisting of 2048 or more zones, but actually it never does.		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000207322	**Technical Severity:**	Medium
Summary:	Unable to activate a large Zone Set from Web Tools when Defined and Effective are close to 1Mb.		
Symptom:	Large zone set activations fails from Web Tools, but works in CLI for FOS only Fabric in Interop mode		
Workaround:	Use CLI interface to activate a zone set of size close to 1MB.		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000207366	**Technical Severity:**	Medium
Summary:	Inconsistencies seen for topologyshow and islshow bandwidth on 5300 and 300 switches		
Symptom:	ISLSHOW and TOPOLOGYSHOW output will be inconsistent		
Feature:	Platform Services	**Function:**	Routing
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000207431	**Technical Severity:**	Medium
Summary:	Webtools: zone admin page may not automatically refresh, when a zoning configuration is enabled from McDATA switch.		
Symptom:	Webtools zone admin page may not automatically refresh when there is a change in the zoning database.		
Workaround:	User can manually refresh the page		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.1.0	**Probability:**	High

Defect ID:	DEFECT000207478	**Technical Severity:**	Medium
Summary:	LIRR database has incorrect NPID / WWN associations for FLOGI port and first NPIV registrant.		
Symptom:	RLIR's for virtual nodes may be directed to the wrong port. LIRR for base port is missing from the database		
Feature:	FC Services	**Function:**	FICON
Reported In Release:	FOS6.1.0	**Probability:**	High

Defect ID:	DEFECT000207595	**Technical Severity:**	Medium
Summary:	Allowed to add a F_Port TT Monitor to mirror port, however no counters display		
Symptom:	Customer is confused because they are allowed to add F_Port Monitor to a mirror port, but then no counters display for that port.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000208527	**Technical Severity:**	Medium
Summary:	Access Gateway (AG) switch may give incorrect warning message about port licensing for an F-port when trying to remap it to a different N-Port		
Symptom:	May see a warning like "Port x is not provisioned... Please run switchshow command and see whether the port is licensed or not", when trying to remap F-port to a different N-Port even though Full port license is installed.		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000208988	**Technical Severity:**	Medium
Summary:	Block user from configuring QoS on FC10-6 blade		
Symptom:	portcfgqos sees configuration issue.		
Feature:	FC10-6 Platform Services	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0	**Probability:**	Medium

Defect ID:	DEFECT000210143	**Technical Severity:**	Medium
Summary:	Channel definition errors; time out on QSA Response due to excessive link incidents.		
Symptom:	Excessive link incidents caused by bad SFP cable can prevent proper channel response.		

Workaround:	Vary each channel online from the HMC. Disable any misbehaving port. Enable Fabric Watch port fencing to disable misbehaving ports.		
Feature:	Fabric Infrastructure	**Function:**	Mgmt Server
Reported In Release:	FOS6.0.0	**Probability:**	Low

Defect ID:	DEFECT000210892	**Technical Severity:**	Medium
Summary:	Hosts on Access Gateway-4424 lost their targets when failover happened from 1 trunk group (with primary ports) to another trunk group (with shared area ports) on triton blade of DCX chassis		
Symptom:	When failover happened from 1 trunk to another trunk (with shared area ports) on Access Gateway-4424, both servers lost their targets.		
Feature:	Access Gateway Services	**Function:**	F Port Trunking
Reported In Release:	FOS6.1.0	**Probability:**	High

Defect ID:	DEFECT000211421	**Technical Severity:**	Medium
Summary:	May see message "Probing failed on F-port" when in interop mode 3.		
Symptom:	Message "Probing failed on F-port" is seen.		
Feature:	Native Interop	**Function:**	Name Server
Reported In Release:	FOS6.1.0	**Probability:**	Low

Defect ID:	DEFECT000211550	**Technical Severity:**	Medium
Summary:	Under some scenarios "portcmd --ipperf" displays incorrect delay time in the IPv4 environment.		
Symptom:	"portcmd --ipperf" displays incorrect delay time in the IPv4 environment.		
Workaround:	Try IPv6 addresses for ipperf		
Feature:	FCIP	**Function:**	FCIP CLI
Reported In Release:	FOS6.1.0	**Probability:**	Medium

Defect ID:	DEFECT000215610	**Technical Severity:**	Medium
Summary:	compatibility issue with extender product connects as a B_Port		
Symptom:	Only partial zoning database is merged with neighbor.		
Feature:	FOS Software	**Function:**	Fabric Services
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000216874	**Technical Severity:**	Medium
Summary:	NI: EFCM Fabric Binding Activation Failure for 7600 in Mixed Fabric		
Symptom:	Unable to activate fabric binding from EFCM or EWS for mixed fabric in interopmode 2 when 7600 is attached.		
Feature:	Native Interop	**Function:**	L2 Security
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218672	**Technical Severity:**	Medium
Summary:	ipc error and software verify error detected on M5424 running in switch mode when a new Admin Domain is created and an existing cfg is disabled in one of the existing AD		
Symptom:	When a new Admin Domain is added to an existing AD database, "error: ipc failed -5" is detected and the new AD does not get added.		
Feature:	Embedded	**Function:**	FC Service
Reported In Release:	FOS6.1.0_emb		

Defect ID:	DEFECT000220302	**Technical Severity:**	Medium
Summary:	ISL monitor total transmit and number of destination domains monitored counters show 0 when traffic is running thru this ISL		
Symptom:	Issue perfmonitorshow --class ISL <port#> on CONDOR based switches, the result shows total transmit count for this ISL: 0, Number of destination domains monitored: 0 when there are traffic running thru the ISL.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000220861	**Technical Severity:**	Medium
Summary:	In connUnitLinkTable,for the attribute connUnitLinkConnIdY there is a mismatch between the PID displayed on the CLI and browser.		
Symptom:	The PID value of the port is displayed incorrectly		
Feature:	Mgmt Embedded - SNMP	**Function:**	Other
Reported In Release:	FOS6.1.1	**Probability:**	Medium

Defect ID:	DEFECT000221643	**Technical Severity:**	Medium
Summary:	MS Platform dB is activated after warm recovery of firmwaredownload		
Symptom:	After upgrading from v5.2.0a to v5.3.0d, the MS Platform dB was activated after the warm recovery of the CP which caused a segmentation due to the MS Platform dB being activated.		

Feature:	FOS Software	**Function:**	Management Services
Reported In Release:	FOS5.3.0	**Service Request ID:**	324489

Defect ID:	DEFECT000222339	**Technical Severity:**	Medium
Summary:	The command cryptocfg --show -container -all -stat does not display a LUNs updated status when the underlying zoning has changed.		
Symptom:	LUN status is not accurately displayed by cryptocfg --show when changes are made to underlying zoning.		
Feature:	Data Security	**Function:**	Disk Encryption
Reported In Release:	FOS6.1.1_enc	**Probability:**	Medium

Defect ID:	DEFECT000222875	**Technical Severity:**	Medium
Summary:	Manual re-keying of a LUN fails with Unknown Error when a re-key is already pending		
Symptom:	When a manual re-key is initiated for LUN that already has a re-key operation pending, the command will fail with an unknown error message. It is correct that the command fails, but the failure does not indicate that the failure is due to already having a pending rekey session for that LUN.		
Workaround:	Use cryptocfg –-show -rekey <crypto target container name> <LUN_Num> <Initiator PWWN> to display and monitor re-key status of the LUN. If a re-key is in progress, re-issue the re-key command once the current re-key session ends.		
Feature:	Data Security	**Function:**	Re-key
Reported In Release:	FOS6.1.1_enc	**Probability:**	Medium

Defect ID:	DEFECT000222981	**Technical Severity:**	Medium
Summary:	Devices logging in to the fabric via a Core-AG show up in the "agshow" output for both the Core-AG and the Edge-AG creating confusion as to which AG those devices actually belong to...		
Symptom:	The "agshow" CLI output on the fabric shows that a device is connected to TWO interconnected AGs in a particular scenario as described in the Topology.pdf file in the defect directory		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.1.0_utah	**Probability:**	High

Defect ID:	DEFECT000225508	**Technical Severity:**	Medium
Summary:	Port Base routing (aptpolicy 1) may not balance the load across multiple ISLs		
Symptom:	With port based routing (aptpolicy 1) on BES, egress traffic is limited to a single port .		
Feature:	FOS Platform Services	**Function:**	Routing

Reported In Release:	FOS6.1.1_enc	**Probability:**	Medium

Defect ID:	DEFECT000225662	**Technical Severity:**	Medium
Summary:	Moving FC FastWrite target from one switch to another can cause IO errors in FC FastWrite on that switch		
Symptom:	Failed IOs through a FC FW enabled fabric after moving device port from one switch to another in the fabric.		
Workaround:	Quiesce IO to a device port before moving from one switch to a different switch.		
Feature:	FR4-18i Platform Services	**Function:**	FCR ASIC SW
Reported In Release:	FOS6.1.1_enc	**Probability:**	Medium

Defect ID:	DEFECT000226178	**Technical Severity:**	Medium
Summary:	Rare Instances of warm recovery failure during upgrade due to small timing window in library used by some services.		
Symptom:	This would prevent the CP from coming fully up and online.		
Workaround:	An additional reboot or hafailover.		
Feature:	High Availability	**Function:**	Director HA
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000226314	**Technical Severity:**	Medium
Summary:	In certain cases, such as when long distance mode is changed to LD on the edge side, or when the ISL mode is configured after the long distance link segments, the EX-Port acting as an ISL in R_RDY mode can get stuck in Disabled state (an FC router error).		
Symptom:	The ISL attached to the EX-Port is stuck in a Disabled state and will prevent it from routing data. This happens when ISL R_RDY mode is enabled in EX-Port and ISL R_RDY mode is disabled in neighbor E-Port and long distance parameters are different for EX-Port and E-Port.		
Workaround:	- Configure the neighbor E-Port to the EX-Port for ISL R_RDY mode as well, which should cause the link to recover. - Configure same long distance parameters for the EX-Port and E-Port .		
Feature:	FCR	**Function:**	FCR Port
Reported In Release:	FOS6.1.1_enc	**Probability:**	Low

Defect ID:	DEFECT000226434	**Technical Severity:**	Medium
Summary:	Re-keying of LUNs for a VMware host are not completing successfully.		

Symptom:	Re-keying of LUNs for hosted OS' on VMware are not completing successfully due to one host holding a persistent reservation for LUN(s). Re-key fails due to a "reservation conflict".		
Workaround:	Delete container that aborts rekey and re-start rekey on the container that doesn't have any kind of reservation conflict.		
Feature:	Data Security	**Function:**	Re-key
Reported In Release:	FOS6.1.1_enc	**Probability:**	Low

Defect ID:	DEFECT000226734	**Technical Severity:**	Medium
Summary:	Port Swap failing due to HTTP 500 error		
Symptom:	Port Swap failing due to HTTP 500 error		
Feature:	Mgmt Embedded - HTTP	**Function:**	Ports Admin
Reported In Release:	FOS6.1.1	**Probability:**	High

Defect ID:	DEFECT000227223	**Technical Severity:**	Medium
Summary:	After swapping FS8-18 & FC8-32 blades; POST failed on FC8-32 blade and come up Faulty(51).		
Symptom:	POST fail on FC8-32 and blade comes up Faulty(51) when it is plugged into FS8-18 slot.		
Workaround:	Slotpoweroff <slot#>; slotpoweron <slot #> will recover.		
Feature:	Diagnostics	**Function:**	Post Diags
Reported In Release:	FOS6.1.1_enc	**Probability:**	Medium

Defect ID:	DEFECT000227454	**Technical Severity:**	Medium
Summary:	pkicert utility does not work reliably when logical switches are present		
Symptom:	The correct certificates are not generated and installed.		
Workaround:	Install the certificates in non-vf mode. Once installed, the switches then can be added to the LF.		
Feature:	Mgmt Embedded - RPCD	**Function:**	VF
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000227797	**Technical Severity:**	Medium
Summary:	IP monitor shows number of SCSI frames after deleting a SCSI filter monitor and adding IP monitor on the same port		
Symptom:	User will see SCSI frame count even after deleting SCSI monitor and adding IP monitor.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor

Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000228340	**Technical Severity:**	Medium
Summary:	4G switch running at fixed 2G speed may not respond to FLOGI from HBA using auto-speed negotiation.		
Symptom:	Switch will not respond to a FLOGI with an ACC and just transmits an ELP when the port comes online.		
Feature:	FOS Software	**Function:**	ASIC Driver
Service Request ID:	335517		
Reported In Release:	FOS5.3.0	**Probability:**	High

Defect ID:	DEFECT000228809	**Technical Severity:**	Medium
Summary:	The cpLastEvent value is shown incorrectly on the browser and the hashow attribute shows the incorrect value for fixed port switches.		
Symptom:	a. The cpLastEvent Value will be shown incorrectly in the browser. b. The cpStatusChange trap is not sent to the trap recipients.		
Feature:	Mgmt Embedded - SNMP	**Function:**	Other
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000228944	**Technical Severity:**	Medium
Summary:	Using WebTools's HA tab, synchronize button and details button do not work as expected		
Symptom:	Cannot perform HA Sync operation from WebTools.		
Workaround:	Use "hasyncstart" from CLI.		
Feature:	Mgmt Embedded - CAL	**Function:**	Other
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000229069	**Technical Severity:**	Medium
Summary:	Getting CT invalid explanation while doing a switch enclosure call (GENVATTR2) on a logical context.		
Symptom:	SMI Application receives wrong error code.		
Feature:	Mgmt Embedded - RPCD	**Function:**	Other
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000229170	**Technical Severity:**	Medium
Summary:	F-port may not get disabled when their configured N-port which is offline is moved to a different PG and F-port was originally online via other N-port in the original PG.		
Symptom:	F-ports does not get disabled as expected.		
Workaround:	Manually disable the F-port		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.1.0_emb		

Defect ID:	DEFECT000229745	**Technical Severity:**	Medium
Summary:	Security scan reported CERT vulnerability in OpenSSH		
Symptom:	Switch was subjected to a security scan by third party security appliance. The following security vulnerability has been identified. CVE-2004-0175 : OpenSSH SCP Traversal Arbitrary File Overwrite This is a vulnerability that, according to openSSH, has been fixed in OpenSSH 3.9. The version of ssh in the latest FOS is OpenSSH_3.8.1p1.		
Feature:	FOS Software	**Function:**	Security
Reported In Release:	FOS5.2.0		

Defect ID:	DEFECT000229943	**Technical Severity:**	Medium
Summary:	In rare circumstances of large zone changes, user might observe Name server verify on console after zone enforcement changes to session based.		
Symptom:	The customer may see the following VERIFY error on the console of the new active CP. VERIFY - Failed expression: ((iu->iu_phy_did != 0) || (iu->iu_phy_sid != 0))		
Workaround:	No work around is necessary as the verify has no other impact.		
Feature:	8G ASIC Driver	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000229982	**Technical Severity:**	Medium
Summary:	Embedded Access Gateway (AG) switches - F_Port doesn't get online after its configured N_Port (with failbackdisable) and preferred N_Port are online		
Symptom:	It was observed that on embedded AG switches - F_Port doesn't become online after its configured N_Port (with failbackdisable) and preferred N_Port are online.		

Workaround:	Portenable the F_Port in question.		
Feature:	Access Gateway Services	**Function:**	Daemon
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000230004	**Technical Severity:**	Medium
Summary:	Cold-failover within Port group for F_Port didn't happen on Access Gateway (AG)		
Symptom:	it was observed that cold-failover within Port group for F_Port with configured N_Port offline didn't happen on embedded switch when another available Nport is brought online within the same port group.		
Workaround:	"portenable" the F_Ports in question.		
Feature:	Access Gateway Services	**Function:**	Daemon
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000230762	**Technical Severity:**	Medium
Summary:	Port is not fenced after exceeding threshold when time base is set to "day"		
Symptom:	Customer will see port getting fenced incorrectly after a delay of 1 hour when threshold is exceeded.		
Workaround:	User can configure the timebase to other values like minute and hour.		
Feature:	Fabric Infrastructure	**Function:**	Fabric Watch
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000230905	**Technical Severity:**	Medium
Summary:	CAL response does not return any value for the property "Version" of class Brocade_Blade.		
Symptom:	The version field from SMI application will not be shown correctly.		
Feature:	Mgmt Embedded - CAL	**Function:**	Other
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000230960	**Technical Severity:**	Medium
Summary:	In Access Gateway (AG) cascading setup connected to Cisco fabric, after failover has occurred on core-AG, NPIV F_Port doesn’t display all the logins in switchshow output on core-AG-5100		
Symptom:	It was observed that in AG cascading setup connected to Cisco fabric with AG-5100 as core-AG, and 300 as edge-AG, after failover has occurred on core-AG, NPIV F_Port doesn't display all the logins in switchshow output on core-AG-5100		
Workaround:	use "portshow port_number" to see all the NPIV devices.		

Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000231082	**Technical Severity:**	Medium
Summary:	Fabric watch is allows setting of the Traits and Alarm configuration even when no alarms are available for all of the classes in WebTools.		
Symptom:	Inconsistency in the behavior of CLI and WebTools while configuring the Fabric Watch classes.		
Feature:	Mgmt Embedded - HTTP	**Function:**	Fabric Watch
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000231094	**Technical Severity:**	Medium
Summary:	cryptocfg show transshow when issued without any outstanding transactions displayed Operation "failed" with an incorrect cause.		
Symptom:	Customer will observe an incorrect explanation regarding the "failure" of the transshow command. A better msg would be to display "no outstanding transactions" and drop "failure".		
Feature:	Data Security	**Function:**	CLI
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000231428	**Technical Severity:**	Medium
Summary:	Portperfshow on 4G platforms is sometimes inaccurate.		
Symptom:	Traffic rate displayed on a 4G platform sometimes does not match traffic rate on the platform this is connected to.		
Workaround:	HA Reboot		
Feature:	Fabric Infrastructure	**Function:**	ASIC Stats
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000232305	**Technical Severity:**	Medium
Summary:	With virtual fabric enabled, when no EE is present, cryptocfg show localEE returns "EE detection aborted: IPC Failure".		
Symptom:	Customer will observe that the CLI displays that the command is being ABORTED, due to FAILURE however, there is no "failure". The response from show localEE should indicate no EE present.		
Feature:	Data Security	**Function:**	CLI
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000232767	**Technical Severity:**	Medium
Summary:	snmpConfig --default snmpv3 sets defaults differently between 5.3.x and 6.1.1		
Symptom:	snmpConfig --default snmpv3 sets different default settings between 5.3.x and 6.1.1		
Workaround:	Reboot		
Feature:	FOS Software	**Function:**	SNMP
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000232956	**Technical Severity:**	Medium
Summary:	User might observe a Name server related verify on console after firmware download followed by power cycle on 48000.		
Symptom:	Following verify message might be seen on console. "nsd verify, if_id !=0, failed expression if_is_valid, switch_zone.c, line 441"		
Workaround:	No need for workaround		
Feature:	8G Platform Services	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000233007	**Technical Severity:**	Medium
Summary:	Missing information from "agshow --name"		
Symptom:	Issued "agshow --name AG_name" in 5300, the output did not include F-port and N-port information.		
Workaround:	User can connect to the Access gateway directly instead of getting the information through fabric.		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000233010	**Technical Severity:**	Medium
Summary:	When FSPF database in edge fabric has an obsolete domain ID that duplicates to front domain for a newly merged switch, front domain fails to form completely in the edge fabric.		
Symptom:	FCR front domain does not join the edge fabric.		
Workaround:	portdisable and portenable EX_Port		
Feature:	Legacy FCR (7500/FR4-18i)	**Function:**	FCR Daemon

Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000233571	**Technical Severity:**	Medium
Summary:	Overnight run of HAfailover test in large fabric caused a panic on DCX		
Symptom:	Panic on DCX after HAFailover		
Feature:	OS Services	**Function:**	IP Admin
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000234222	**Technical Severity:**	Medium
Summary:	Unable to de-register primary key vault when both primary and secondary key vaults are registered.		
Symptom:	Customer will not be able to de-register the primary key vault (KV) when both primary & secondary KVs are configured. This requires customer to first deregister secondary KV and then deregister Failed Primary KV for replacing the failed primary KV. This leads to Encryption Switches without any KVs for a short duration when both Primary and Secondary KV are deregistered leading to DEK operations failing for that duration.		
Workaround:	De-register the secondary KV first.		
Feature:	Data Security	**Function:**	Key Vault
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000234548	**Technical Severity:**	Medium
Summary:	The ifNumber does not match the number of entries in the ifTable for the logical switches with LISL		
Symptom:	The ifnumber and the number of entries in the if table do not match		
Feature:	Mgmt Embedded - SNMP	**Function:**	VF
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000234617	**Technical Severity:**	Medium
Summary:	Virtual nodes on the same switch port may not be able to communicate due to missing RSCNs and the CAM not be programmed. This is not a likely scenario.		
Symptom:	Virtual nodes operating on the same physical port are not able to communicate.		
Workaround:	Toggle the physical port.		
Feature:	FC Services	**Function:**	Name Server
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000234690	**Technical Severity:**	Medium
Summary:	The 'swFCPortTable' displays the port statistical data for the logical port.		
Symptom:	The port statistics data should not be available for the Logical Ports. But some incorrect data is shown these in swFCPortTable		
Feature:	Mgmt Embedded - SNMP	**Function:**	VF
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000234728	**Technical Severity:**	Medium
Summary:	Failover triggered on AG connected to multiple VF fabrics (through FCR) causes hosts on AG to lose targets		
Symptom:	It was observed that failover triggered on AG (5480) connected to multiple VF fabrics (through FCR) causes hosts to lose targets.		
Feature:	8G FCR	**Function:**	Other
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000234760	**Technical Severity:**	Medium
Summary:	Fabstateshow log wrapping overwrites useful fabstate data on Brocade switch when interop with mcdata		
Symptom:	The problem is, in interop mode the fabstateshow log wraps in a very short time where without interop this log contains weeks and sometimes months of data.		
Feature:	FOS Software	**Function:**	Fabric Services
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000234865	**Technical Severity:**	Medium
Summary:	On embedded platform 5424, occasionally internal ports connected to an 8G HBA set to N8 auto negotiates to a lower speed after rebooting		
Symptom:	On Brocade 5424 embedded platforms, the speed negotiation may not succeed at 8G. In that case the port will renegotiate to lower speeds which eventually may be successful.		
Workaround:	Disable the affected port and re-enable it.		
Feature:	8G ASIC Driver	**Function:**	GE2 ASIC ports
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000234893	**Technical Severity:**	Medium

Summary:	SNMP: The swNs Table does not list all the name server entries.		
Symptom:	swNs Table shows one less entry than the actual number of devices. This is the first entry shown in "nsallshow" CLI command.		
Feature:	Mgmt Embedded - SNMP	**Function:**	Name Server
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000234950	**Technical Severity:**	Medium
Summary:	Detected termination of management server daemon during stress testing on DCX with 8 logical switches		
Symptom:	In a chassis with MS platform services enabled with 8 Logical Switches, issuing bladedisable followed by hafailover could result in termination of management server daemon.		
Workaround:	Wait for system to stabilize after executing bladedisable and before issuing hafailover or disable MS platform services while performing stress testing.		
Feature:	Fabric Infrastructure	**Function:**	Mgmt Server
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235040	**Technical Severity:**	Medium
Summary:	WebTools: SwitchView: Service Ethernet on CP Blades does not show activity when active network is attached and functional		
Symptom:	Cosmetic issue: service Ethernet Port is not showing LED activity on GUI		
Workaround:	No workaround. IP Bonding is by-default enabled on DCX.		
Feature:	WebMgmt	**Function:**	Switch Admin
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000235092	**Technical Severity:**	Medium
Summary:	In a corner case scenario with IM2 mixed fabric (consisting of EOS and FOS switches), executing cfgsave with zone database larger than EOS switch can accept will leave zone transaction open without notification		
Symptom:	Further zoning management operations are not allowed, but the user is notified that a zone transaction is open. The user can use configtransshow to display the zone transaction state and configtransabort to abort the open transaction.		
Workaround:	Use configtransshow to display status of zoning transactions and configtransabort to abort the transaction.		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235130	**Technical Severity:**	Medium
Summary:	agshow command displays a port twice.		
Symptom:	The "agshow" command displays a port from an Access Gateway twice.		
Workaround:	Telnet or ssh directly to the Access Gateway and run the "ag --show" command.		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000235157	**Technical Severity:**	Medium
Summary:	Public / Private keys are not copied during HA failover		
Symptom:	When failover happens password-less SCP cannot be used from the switch. However SCP with passwords can be used.		
Workaround:	Use SCP with passwords or if password-less SCP is to be used, generate a key pair for SSH outgoing authentication from the switch.		
Feature:	Fabric Infrastructure	**Function:**	Security-other
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235166	**Technical Severity:**	Medium
Summary:	Downloading config file between switches causes license lost		
Symptom:	If a config download file with licenses is used on a different switch, the licenses on that switch will be overwritten with invalid licenses.		
Workaround:	Do the following to back up licenses: 1. Execute licenseshow command save the licenses into a file outside the switch. 2. Then perform configdownload. 3. Add the licenses saved in step one.		
Feature:	License	**Function:**	License
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235184	**Technical Severity:**	Medium
Summary:	Occasionally after a firmwaredownload or an HA failover on a chassis system, users will notice a message on standby CP console: “cannot create symbolic link '/etc/localtime' to '/usr/share/zoneinfo/...”		
Symptom:	This message is seen on STANDBY CP. When the message is observed, customer might notice that time zone on standby is different from what it is on active. There will not be any impact on the switch functionality.		

Feature:	Fabric Infrastructure	**Function:**	Time Server
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000235297	**Technical Severity:**	Medium
Summary:	During stress test of deleting and creating DCC policies on LS, a assert was observed on the console.		
Symptom:	User will notice inconsistent secpolicyshow after running stress testing in the fabric.		
Workaround:	Failover or reboot the system.		
Feature:	Fabric Infrastructure	**Function:**	Security-ACL
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235300	**Technical Severity:**	Medium
Summary:	Newly created LS should inherit NTP server setting of Default LS		
Symptom:	If NTP server is configured on the default switch and user updates date/time in non-default logical switch context, it will be overwritten by NTP server time.		
Workaround:	Don't use date command in non-default logical switch		
Feature:	Fabric Infrastructure	**Function:**	Time Server
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235308	**Technical Severity:**	Medium
Summary:	Authspec parameters were not modified after configdownload		
Symptom:	User won't be able to download authentication specific parameter using configdownload.		
Workaround:	Use CLI to configure AAA for LDAP.		
Feature:	Fabric Infrastructure	**Function:**	Security-RADIUS-LDAP
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235323	**Technical Severity:**	Medium
Summary:	EE monitor counter is not incrementing after firmware upgrade to 6.2.0		
Symptom:	EE monitor counter is not updated after firmware upgrade to 6.2.0 or HA Failover		
Workaround:	Delete and re-install EE Monitors		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235335	**Technical Severity:**	Medium
Summary:	Firmware downgrade/upgrade from v6.2.0 to v6.1.0 on Access Gateway will erase WWPN set in the ADS WWPN list for a certain F_Ports		
Symptom:	Firmware downgrade/upgrade from v6.2.0 to v6.1.0 on Access Gateway will erase WWPN set in the ADS WWPN list for some F_Ports		
Workaround:	Restore ADS policies after firmware upgrade/downgrade.		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235421	**Technical Severity:**	Medium
Summary:	During overnight stress testing, ACL policy is not consistent across fabric, even with fabwideset configured.		
Symptom:	ACL policy may not be distributed across the fabric.		
Feature:	Fabric Infrastructure	**Function:**	Security-ACL
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235486	**Technical Severity:**	Medium
Summary:	Urouteshow will lag for several seconds at a time while displaying the route info		
Symptom:	A 2-4 second lag may be noticed when running the CLI urouteshow. This lag will be longer on products with larger port counts such as the DCX.		
Feature:	Logical Fabric	**Function:**	FSPF
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000235544	**Technical Severity:**	Medium
Summary:	FS8-18 turns faulty 21 after firmwaredownload and reboot of DCX		
Symptom:	FS8-18 will be faulty and is not available for fabric or crypto operations.		
Workaround:	Slotpoweroff/slotpoweron the blade or remove the blade and insert back.		
Feature:	Data Security	**Function:**	Security Processor
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000235595	**Technical Severity:**	Medium
Summary:	When user issues hafailover with FC4-16IP in system, under rare circumstance, user will notice		

	iSCSI port bouncing.		
Symptom:	Customer would see the iSCSI port bouncing from enabled to disabled repeatedly as the port is going through restart multiple times before it gets enabled. Customer would observe similar RASLOG message repeatedly if this condition is hit. 2008/10/31-15:34:44, [BL-1035], 194, SLOT 6 | CHASSIS, INFO, Silkworm48000, Slot 7 iSCSI port 2 Initialization completed.		
Workaround:	Issue slotpoweroff followed by slotpoweroff of FC4-16IP blade to recover.		
Feature:	iSCSI	**Function:**	ISCSI HA
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000235704	**Technical Severity:**	Medium
Summary:	Link Beaconing no longer functions after swapping ports on the switch.		
Symptom:	Link Beaconing no longer functions after swapping ports on the switch		
Workaround:	Clear the beaconing before the port swap and enable beaconing after the port swap.		
Feature:	8G Platform Services	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235727	**Technical Severity:**	Medium
Summary:	Inconsistent display of urouteshow trying to map to invalid FCR user port while topologyshow is not showing those routes.		
Symptom:	Inconsistent route display of urouteshow and topologyshow for an invalid FCR port. No functional impact.		
Feature:	FC Services	**Function:**	FSPF
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000235769	**Technical Severity:**	Medium
Summary:	"Updating Flash" Console Message is seen on all FOS Switches in Fabric during Configupload on Single FOS Switch in a IM2 fabric.		
Symptom:	User will observe "Updating Flash" message on console on all FOS switches while performing configupload on switch, when the fabric is in McDATA Fabric mode-2. There is no functional impact, it is working as designed to support configdownload in IM2.		
Workaround:	No user action is required, it is working as designed.		
Feature:	FC Services	**Function:**	Zoning

Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235771	**Technical Severity:**	Medium
Summary:	In IM2 mode, when merging a mixed fabric, user might observe the message: “MS Warning: The fabric is segmented due to an unstable MS Platform Service”		
Symptom:	In IM2 mode, when merging a mixed fabric, user might observe the message: “MS Warning: The fabric is segmented due to an unstable MS Platform Service”		
Workaround:	Ensure that MS Platform services is disabled before merging.		
Feature:	Fabric Infrastructure	**Function:**	Mgmt Server
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000235974	**Technical Severity:**	Medium
Summary:	Tracedumps are not being removed using the "tracedump -r " command.		
Symptom:	User can not run "tracedump -r" from standby CP		
Workaround:	Run "tracedump -r" from active CP		
Feature:	RAS	**Function:**	RAS Trace
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000236034	**Technical Severity:**	Medium
Summary:	Output of command fcrproxydevshow with option -a is sometimes inconsistent between the non-VF FCR switches in the fabric		
Symptom:	If an edge fabric involved in B2E importing is connected to both non-VF-enabled and VF-enabled FCR and another non-VF-enabled FCR is not connected to the edge fabric while being part of the same backbone, the problem may happen intermittently. Fcrproxydevshow continues to work properly and the system operates properly.		
Workaround:	None. Fcrproxydevshow continues to work properly and the system operates properly.		
Feature:	8G FCR	**Function:**	FCR Daemon
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236093	**Technical Severity:**	Medium
Summary:	In large configurations, sometimes Fabric mode TT misses some top flows		
Symptom:	Fabric mode TT doesn't show all top flows when there are few hundreds devices in the fabric. Not observed all the times.		

Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000236120	**Technical Severity:**	Medium
Summary:	When using pathinfo in MetaSAN, where the destination domain queried overlaps with intermediate hop/domain, output of this command is not accurate.		
Symptom:	When using pathinfo in MetaSAN, where the destination domain queried overlaps with intermediate hop/domain, output of this command is not accurate. Reverse path display might include forward path hops.		
Feature:	Fabric Infrastructure	**Function:**	Mgmt Server
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236287	**Technical Severity:**	Medium
Summary:	After cfgdefault and migration from IM0 to IM2, all switches are setting idid bit in ESA, when idid is not enabled		
Symptom:	All switches in the fabric segment with an indication of "Security Violation". Examination of the fabric shows that all switches share identical FWCP and Security Policies, and that all are configured with idid off.		
Workaround:	Fabric can be merged by disabling the switches and setting idid mode in the switch configurations, then bringing the switches online. This option is applicable only in the event the user wishes to merge the switch to a fabric that also has idid set.		
Feature:	FC Services	**Function:**	Fabric
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000236289	**Technical Severity:**	Medium
Summary:	FOS CLI doesn't allow Port fencing policy addition for F_Port when there are no F_ports on the switch.		
Symptom:	Customer will not be able to configure F_Port port fencing policy when switch doesn't have F ports. Customer needs to explicitly configure F_Port port fencing policy only after bringing up F port on a switch.		
Workaround:	A. DCFM can be used to add the port fencing policy for F_Port B. Existing FOS CLI can always be used to add port fencing policy after bringing up F_Port on a switch. Adding port fencing policy for F_Port makes sense only when there are F ports on a switch and anyway the existing CLI behavior takes care of this.		

Feature:	Fabric Infrastructure	**Function:**	Fabric Watch
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236308	**Technical Severity:**	Medium
Summary:	After AG N-Port experiences repeated failover/failbacks on 4024 connected to McData Switch in interopmode 2 fabric; internal F-port state may become No_Sync		
Symptom:	Internal F-port becomes No_Sync after ports on N-port fails over and I/O fails. The I/O resumes after a delay of about 9 minutes.		
Workaround:	Wait until I/O resumes or Reboot the host.		
Feature:	Embedded Platform Services	**Function:**	ASIC Driver
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000236325	**Technical Severity:**	Medium
Summary:	Inappropriate error message from configuredownload in VF mode and LSAN zone tag /LSAN matrix is not cleared when the config file contains no entry for them.		
Symptom:	Inappropriate error message during configdownload and configdownload doesn't clear LSAN zone tag and LSAN binding entries if the config file has none.		
Workaround:	Please ignore the error message and use CLI to clear LSAN tag and LSAN binding.		
Feature:	8G FCR	**Function:**	FCR CLI
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236392	**Technical Severity:**	Medium
Summary:	Disable/enable the port to an FCR-exported encrypted target in VF-enabled SAN may make cause host to fail re-discovery		
Symptom:	After a sequence of host port disable/enable, target port disable/enable and slotpower off/on, host might not be able to discover target. This happens only in following cases - FS8-18 blade in Default switch - Host and target are in separate Logical switch - Default and logical switches are connected through FCR (EX-Ports) via Base Switch. - The above issue is seen only with current Brocade HBA firmware - The above issue is seen only when Host Port is disabled/enabled in case of Emulex HBA. However the problem is not seen when target port is disabled/enabled		
Workaround:	Disable and Enable the host port to force re-discovery. Or Have Host and Target in the Default switch where FS8-18 Blade belongs.		
Feature:	Data Security	**Function:**	HA Cluster

Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236479	**Technical Severity:**	Medium
Summary:	Tape statistics are not being reset as a result of the start of a new transaction		
Symptom:	Will see the counters as cumulative for the tape session rather than a new value for each tape media.		
Feature:	Data Security	**Function:**	Tape Encryption
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000236483	**Technical Severity:**	Medium
Summary:	In one rare case, 'zoneobjectrename' command failed without reason.		
Symptom:	zoneobjectrename command may fail without reason.		
Workaround:	Command works on retry.		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236485	**Technical Severity:**	Medium
Summary:	PathInfo "return" output does not follow FSPF TI routes from perspective of inquiring F_Port		
Symptom:	Using CLI "pathinfo" from an inquiring F_Port that is running traffic over a TI enforced FSPF route yields a return route which does not follow the TI-defined route. Pathinfo output might not match TI path.		
Workaround:	No workaround needed, this condition does not impact TI operation.		
Feature:	Fabric Infrastructure	**Function:**	Mgmt Server
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236595	**Technical Severity:**	Medium
Summary:	During high availability stress test, ESS Crash detected on 200E, 5100, and DCX-4S		
Symptom:	Chassis systems will failover after ESS crash. Single CP system will reboot after ESS crash.		
Feature:	FC Services	**Function:**	ESS
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236682	**Technical Severity:**	Medium
Summary:	In non-VF mode on DCX, after removing other filters (EE and F_Port TT) and enabling Fabric mode TopTalkers, the flow values are not reliable.		
Symptom:	Switching from “EE or F_Port TT” to “Fabric mode TT” will show inaccurate flow values.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236696	**Technical Severity:**	Medium
Summary:	Switch disable/enable multi edge AG in complex cascaded setup may cause F-Port of 5100 edge AG became "Disabled (N-Port Login in progress)"		
Symptom:	After switch disable/enable operation in the cascaded environment, F-port may become disabled with error "Disabled (N-Port Login in progress)".		
Workaround:	Use command portenable to enable the port in disabled state.		
Feature:	Access Gateway Services	**Function:**	Platform Other
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236758	**Technical Severity:**	Medium
Summary:	BES may be marked Faulty due to POST failure after repeated POST tests		
Symptom:	BES Faulty due to POST failure		
Workaround:	Manually reboot the switch should POST fail		
Feature:	Diagnostics	**Function:**	Post Diags
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236765	**Technical Severity:**	Medium
Summary:	command "portcfgdefault <port>" performed on an internal Fport will convert that Fport into an NPort		
Symptom:	Running the command "portcfgdefault <port>" on an internal Fport on embedded platforms will convert that Fport into an NPort.		
Workaround:	When the system is working well, save that configuration somewhere so that it can be reapplied instead of relying on portcfgdefault.		
Feature:	Embedded Platform Services	**Function:**	FOS Kernel Driver
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000236797	**Technical Severity:**	Medium

Summary:	Changing configuration using configure or configDownload when systemVerification is executed could lock out the systemVerification from being executed subsequently.		
Symptom:	If user executes configdownload [all] or does any config change while the systemverification command is in progress, it updates runtime information associated with systemverification in flash causing further systemverification calls from executing.		
Workaround:	Do not update the configuration when systemVerification is running. If user accidentally changes configuration when the command was executing, use "burninlevel 0" to recover from this situation.		
Feature:	Diagnostics	**Function:**	Other
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236813	**Technical Severity:**	Medium
Summary:	After few hafailovers, FC fast write I/O times out and a few unexpected frame drops are seen on 1 to 2 ports out of 7-8 ports running.		
Symptom:	I/O Errors on FCFW enabled paths		
Workaround:	Disable FCFW feature or limit the number of HA Failover sequences to times when IO is not active.		
Feature:	FCIP	**Function:**	FCIP Port
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000236847	**Technical Severity:**	Medium
Summary:	In rare circumstances, a change to the TI zone failover policy will not be applied.		
Symptom:	Traffic which does not belong to any TI defined zones is offloaded onto a TI link which carry a failover policy of enabled (OK) but also is offloaded onto a parallel TI link which carries a failover policy of disabled (not OK). Traffic which is not part of any TI definitions should never offload onto a TI-defined path which has a failover policy of DisAllowed.		
Workaround:	Workaround to change the failover policy is as follows: - deactivate the TI zone - change the failover policy - activate the TI zone		
Feature:	8G Platform Services	**Function:**	Routing
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236859	**Technical Severity:**	Medium
Summary:	FA4-18 blade went Faulty after issuing hafailover command due to internal connection failure		
Symptom:	hafailover under rare circumstances can cause blade to fault.		
Workaround:	slotPowerOff/slotPowerOn the failing blade will recover normal operation.		
Feature:	FA4-18 Platform Services	**Function:**	Blade FOS SW
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236879	**Technical Severity:**	Medium
Summary:	Advanced performance tuning option for FCR traffic on a FR-18i blade may get reset to default after hafailover followed by failback		
Symptom:	aptpolicy option for FR4-18i may revert back to defaults after hafailover followed by hafailback		
Workaround:	Reconfigure aptpolicy for FR4-18i if the changes are lost after CP failover		
Feature:	8G Platform Services	**Function:**	Routing
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236921	**Technical Severity:**	Medium
Summary:	perfcfgsave followed by perfcfgrestore will not restore last EE/Filter monitor		
Symptom:	The last EE or Filter monitor is not saved causing it not be restored.		
Workaround:	Create an additional dummy(Invalid SID/DID) monitor before performing "perfCfgSave" or reinstall the lost monitor.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000236937	**Technical Severity:**	Medium
Summary:	I/O timeouts observed during first time re-key of disk LUNs		
Symptom:	When many LUNs are hosted or enabled for encryption, some LUNs are stuck in state "Create new key state" resulting in failing the host IO for the LUN (I/O timeouts).		
Workaround:	Enable fewer LUNs for encryption at a time. Also add the LUNs as clear-text to CTC to begin and let host IO continue in clear-text format. Selectively modify the LUNs (few at a time) to encrypt and once earlier selected LUNs become encryption enabled, modify next batch of LUNs for encryption.		
Feature:	Data Security	**Function:**	Re-key
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000236973	**Technical Severity:**	Medium
Summary:	During overnight Stress test observed software error message on console after deleting a logical switch.		
Symptom:	Error messages are seen on the console and SMI applications may see erroneous data.		
Feature:	Mgmt Embedded - CAL	**Function:**	Other
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000236991	**Technical Severity:**	Medium
Summary:	If TI zone operations are performed simultaneously on different switches, active CP may failover due to termination of Name server module		
Symptom:	User might notice the message "Detected termination of nsd:4248 (1)" on console and the Active CP will failover.		
Workaround:	No workaround needed, the DCX CP fails over non-disruptively and retains all configuration data.		
Feature:	FC Services	**Function:**	Name Server
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000237010	**Technical Severity:**	Medium
Summary:	Several harmless messages gets generated when DCFM tries to discover a large fabric.		
Symptom:	Multiple messages gets generated when DCFM tries to discover a large fabric. "[SNMP-1005], 242, SLOT 6 | FID 128, INFO, DCX_50, SNMP configuration attribute, Trap Severity Level 1 , has changed from 0 to 4" messages. Login to 10.32.233.50; 10.32.233.45; 10.32.233.54; 10.32		
Feature:	Mgmt Embedded - SNMP	**Function:**	Other
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237050	**Technical Severity:**	Medium
Summary:	If switches in an edge fabric have the Principal Priority set to non-default values, updating firmware on the FCR switch may result in fabric reconfiguration and momentary traffic disruption.		
Symptom:	Fabric reconfiguration and/or momentary traffic disruption seen in an edge fabric when the FCR is performing hot code activation.		
Workaround:	Do not set the principal priority of switches in edge fabric to non default value in a routed MetaSANs.		
Feature:	FC Services	**Function:**	Fabric

Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237138	**Technical Severity:**	Medium
Summary:	If there is a fabric reconfiguration while switches are upgrading to 6.2, switches may report FDD violations and segment from the fabric.		
Symptom:	During the firmware upgrade process, E-ports may become segmented due to an FDD (Fabric Data Distribution) conflict, even though the Fabric Wide Distribution policies are the same.		
Workaround:	portdisable/enable should cause the E-port to reestablish connection after the fabric becomes stable. Alternatively, the Fabric Wide Distribution policies could be disabled during the firmware upgrade to avoid unnecessary fabric disruption, and then enabled after the fabric is stable.		
Feature:	Fabric Infrastructure	**Function:**	Security-ACL
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237191	**Technical Severity:**	Medium
Summary:	Filter and EE monitors are lost if "perfCfgSave" is not executed after creation of monitors and before upgrading firmware to 6.2.0 on 7600		
Symptom:	Filter and EE monitors are lost after firmware upgrade to 6.2.0 on 7600		
Workaround:	If new monitors are created, configuration needs to be saved using "perfCfgSave" before performing non-disruptive firmware upgrade.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237196	**Technical Severity:**	Medium
Summary:	Unable to activate a new PDCM Matrix with Webtools		
Symptom:	When activating saved PDCM Matrix from ‘Activate CUP Port Connectivity Configuration’ dialog in WebTools, with “Active=Save Mode” checked, WebTools displays error.		
Workaround:	Activate the same PDCM Matrix from WebTools, with “Active=Save Mode” checked from ‘Edit CUP Port Connectivity Configuration’ window.		
Feature:	FICON	**Function:**	Ficud
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237198	**Technical Severity:**	Medium
Summary:	FOS upgrade on certain Brocade 3016 to v5.3.x leaves the switch in an unusable state.		

Symptom:	Customer was upgrading Brocade 3016 from FOS v5.0.x to v5.3.x and some units would not boot up afterword. After login, limited commands are available and switch fails cold recovery.		
Feature:	Mgmt Embedded - SNMP	**Function:**	Other
Reported In Release:	FOS5.3.1	**Probability:**	Medium

Defect ID:	DEFECT000237250	**Technical Severity:**	Medium
Summary:	7600 running 6.0.0b, reboot of DPC2 in a third party instance will cause loss of visibility to certain disks		
Symptom:	Reboot of DPC2 in a certain third party instance will cause hosts connected to that third party instance to lose visibility to its disks.		
Feature:	FOS Software	**Function:**	Scimitar / Sabre Layer-2
Reported In Release:	FOS6.0.0	**Service Request ID:**	357995

Defect ID:	DEFECT000237292	**Technical Severity:**	Medium
Summary:	portloopbacktest failure with error DIAG-TIMEOUT observed during SystemVerification test on an FC4-16IP (iSCSI) blade.		
Symptom:	FA4-16IP Blade fails SystemVerification Diagnostics with error code DIAG-TIMEOUT		
Workaround:	slotPowerOff/slotPowerOn the failing blade will recover to normal operation		
Feature:	Diagnostics	**Function:**	Other
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237341	**Technical Severity:**	Medium
Summary:	When upgrading a switch with an FC10-6 blade from v6.1 to v6.2, the standby CP may go into a rolling reboot.		
Symptom:	When the standby CP reboots after downloading the v6.2, it gets stuck in a rolling reboot.		
Workaround:	Slot poweroff the FC10-6 blade(s). Complete the firmwaredownload process. Slot power on the FC10-6 blade(s).		
Feature:	8G Platform Services	**Function:**	Routing
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237344	**Technical Severity:**	Medium
Summary:	If a switch is in FIPS mode, the FTP protocol is still allowed for seccertutil and sshutil. Only SCP should be allowed.		
Symptom:	FTP can be used in FIPS mode with seccertutil and sshutil.		

Feature:	Fabric Infrastructure	**Function:**	Security-other
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237353	**Technical Severity:**	Medium
Summary:	statsclear does not clear porterrshow statistic data for field "link fail " on FC10-6 blade.		
Symptom:	"link fail" data field will not be cleared on running the statsclear command.		
Feature:	FC10-6 Platform Services	**Function:**	ASIC Driver
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237404	**Technical Severity:**	Medium
Summary:	During stress-to-fail testing of Cold Start/Recovery on a switch with multiple Logical Switches, the local Name Server misses some device entries.		
Symptom:	Some device entries in local NS database are not consistent across a fabric.		
Workaround:	Perform switchdisable/enable on the affected switches.		
Feature:	FC Services	**Function:**	Fabric
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237446	**Technical Severity:**	Medium
Summary:	If user account on RADIUS server is set up with only Chassis level role as primary, but it is not on the LF role list, the user cannot login.		
Symptom:	User cannot login.		
Workaround:	Specify LF role list in the RADIUS server for the account.		
Feature:	Fabric Infrastructure	**Function:**	Security-RADIUS-LDAP
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237509	**Technical Severity:**	Medium
Summary:	FCAP works only in Non-VF mode or VF mode with Default Switch		
Symptom:	When FCAP authentication is used along with SCC policy in a VF environment, the E-port on the non-default switch will be disabled with security violation.		
Workaround:	Use DHCHAP authentication instead of FCAP.		
Feature:	Fabric Infrastructure	**Function:**	Security-authentication
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237511	**Technical Severity:**	Medium
Summary:	While performing security related fabric wide operations if fabric becomes unstable, user might observe verify on standby.		
Symptom:	User will observe the following RASLOG message on standby: 2008/12/03-01:18:00, [SEC-1317], 912, SLOT 5 | FID 21, INFO, switch_21, Inconsistent fabric, rejecting transaction User will not be able perform any fabric wide operations until system recovers.		
Workaround:	System will recover.		
Feature:	Fabric Infrastructure	**Function:**	Security-other
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000237513	**Technical Severity:**	Medium
Summary:	NPIV devices on a single port are spread across effective and McData default configurations, only devices from default configuration can establish communication.		
Symptom:	When NPIV devices from same port are spread across the effective cfg and McData default, only PIDs from default zone are shown up via portcamshow instead of the PIDs in effective cfg.		
Workaround:	Do not overlap effective and default zones on the same NPIV port, following best practices guidelines.		
Feature:	FC Services	**Function:**	Name Server
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000237514	**Technical Severity:**	Medium
Summary:	Firmware downgrade from FOS v6.2.0 to v6.1.0 sometimes causes an unresponsive console, which requires a switch power cycle to recover.		
Symptom:	Customer loses access to the console. No functional impact. After power cycling the switch, the console access is back and firmwaredownload process completes properly. Issue seen during downgrade from 6.2 -> 6.1 when firmwaredownload -sb between 6.2 <-> 6.1 with auto-reboot enabled is done multiple times and mostly on Brocade 7500 switch. Telnet sessions are still fully operational.		
Workaround:	1. Avoid using firmwaredownload -sb i.e. avoid auto-reboot. Use firmwaredownload -s and then do a manual reboot. 2. Need to power cycle the switch. The switch functions properly after power cycle with normal access to the telnet session.		

Feature:	High Availability	**Function:**	Switch hareboot/HCL
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237535	**Technical Severity:**	Medium
Summary:	After configdefault on a 300 switch, unable to upload its configfile in IM2, post message 'Failed to clear defzone mode' rc -1, err 0, msg		
Symptom:	On a standalone 300 switch when attempting to restore its config file after issuing a configdefault, customer will receive error message 'Failed to clear defzone mode. rc -1, err0, msg'. It is not until the switch is enabled and then disabled can the config file be restored.		
Workaround:	After the configdefault, enable the switch and then disable the switch to restore the config file.		
Feature:	Infrastructure	**Function:**	Config Download
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237544	**Technical Severity:**	Medium
Summary:	When using D,I zoning with NPIV devices, name sever takes longer to process logins		
Symptom:	NPIV devices take longer to login. This won't affect functionality or normal fabric behavior.		
Feature:	4G Platform Services	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237549	**Technical Severity:**	Medium
Summary:	Access Gateways connected to EOSc in a mixed fabric (FOS and EOS) are not shown in DCFM		
Symptom:	Access Gateways connected to EOSc in a mixed fabric (FOS and EOS) are not shown in DCFM.		
Feature:	Fabric Infrastructure	**Function:**	Mgmt Server
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000237563	**Technical Severity:**	Medium
Summary:	Brocade 5480 in Access Gateway mode with auto policy enabled, an internal port with a server running third party port virtualization may come up as an N_Port (should be an F_Port)		
Symptom:	When Auto policy is enable, the switch may fail to recognize a virtualized port as an F_Port and the nodes will not be able to complete fabric login.		
Workaround:	Portdisable/portenable the impacted server port.		
Feature:	Access Gateway Services	**Function:**	CLI
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237591	**Technical Severity:**	Medium
Summary:	Not able to add EE monitor on port 1 after firmwareupgrade from 6.1.0c to 6.2.0 on 7500		
Symptom:	Not able to add EE monitor on port 1 on sw7500 after firmwareupgrade from 6.1.0c to 6.2.0		
Workaround:	None. This only happens on port 1 of the 7500.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237611	**Technical Severity:**	Medium
Summary:	After firmware upgrade, FC FastWrite traffic sometimes fails.		
Symptom:	User will notice FC FastWrite traffic failure.		
Workaround:	Switchdisable/swtichenable will recover FC FastWrite traffic.		
Feature:	FCIP	**Function:**	FCIP Port
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000237630	**Technical Severity:**	Medium
Summary:	HCL from v6.1.0g to 6.2.0 takes 83 seconds on 4100 and caused frame drops		
Symptom:	when upgrading from 6.1 to 6.2 on 4100, customer will see the frame drop		
Workaround:	upgrade the connected switch to 6.2 first, then upgrade this switch.		
Feature:	OS Services	**Function:**	Linux Kernal
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237634	**Technical Severity:**	Medium
Summary:	Error message may be seen on console under heavy utilization of interface to key vault		
Symptom:	Software "VERIFY" error may be seen on the Console of BES or DCX/DCX-4S with FS8-18 blades when under heavy stress of key vault interface - due to slow Key Vault response. This error is harmless and key retrieval operations are retried upon timeout. There is no loss of loss of encryption service.		
Feature:	Data Security	**Function:**	Key Vault
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000237675	**Technical Severity:**	Medium

Summary:	Onboard Administrator used to manage Brocade 5480 is not able to read the switchname		
Symptom:	The Onboard Administrator will not display the switchname		
Workaround:	Switch name can be displayed from FOS CLI command - switchname		
Feature:	Embedded Platform Services	**Function:**	Bulova
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237702	**Technical Severity:**	Medium
Summary:	Re-key starts and host IO is blocked on failover/failback with mis-matched time on EE nodes		
Symptom:	The re-key is unexpected as it's prior to the expiration period and the host cannot read/write to the LUN (causing the host to mark the LUN offline). The time out of sync is greater than the enable_rekey value, I/O is running to a multipathed LUN and there is a failover. The I/O continues on the failed over path and re-key is correctly not started. The LUN is then failed back to the original path, I/O halts as re-key starts unexpectedly on this original path. The host times out the I/O. The LUN does not re-fail over to the alternate path and the host marks the LUN offline.		
Feature:	Data Security	**Function:**	Re-key
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000237710	**Technical Severity:**	Medium
Summary:	"perfftmon --show dom ... wwn" command returned "SID/DID entry not present in NS" message when it is executed from 6.2 switch for remote domain of firmware version 6.1 or vice-versa		
Symptom:	User might see a truncated output with the following message: "SID/DID entry not present in NS" User will encounter same behavior when the command is executed from pre6.2 switch and the remote domain is a 6.2 switch.		
Workaround:	Login to the remote switch and execute the command.		
Feature:	Fabric Infrastructure	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237759	**Technical Severity:**	Medium
Summary:	After slotpoweroff/on an FS8-18 blade, some VI-PT routes are invalid, causing containers not to come back online.		
Symptom:	Containers do not come back online after power cycle of Encryption blade.		

Workaround:	Power cycle the blade again.		
Feature:	4G Platform Services	**Function:**	Routing
Reported In Release:	FOS6.2.0		

Defect ID:	DEFECT000237760	**Technical Severity:**	Medium
Summary:	"Cyptocfg --show -tapepool -all -stat" returns "Operation failed:" the first time it's issued but displays valid output when immediately re-issued		
Symptom:	Under some circumstances, "cryptocfg --show -tapepool -all -stat" may return "Operation failed: Requested object doesn't exist". Tapepool information would not be available.		
Workaround:	Re-issue the cli		
Feature:	Data Security	**Function:**	Tape Encryption
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000237767	**Technical Severity:**	Medium
Summary:	Sequence of creating two TI zones, not saving the change and then modifying the attributes with the "zone --add" command results in misconfigured attributes that will cause software verify on remote switches when changes are committed.		
Symptom:	Remote switches will trigger software verify and the TI zone attributes will not be properly configured.		
Workaround:	Other methods of creating TI Zones and modifying the definitions work seamlessly. When creating multiple TI zones, they should be saved before modifying the attributes. Can clean up problem by using zone --add to modify the attributes again after the save. Can also delete and recreate TI zone.		
Feature:	FC Services	**Function:**	Zoning
Reported In Release:	FOS6.2.0	**Probability:**	Medium

Defect ID:	DEFECT000237794	**Technical Severity:**	Medium
Summary:	Firmwaredownload in a 4 node EG, without first failing over target to other node, caused some LUNs to be inaccessible		
Symptom:	In a 4 node EG, if one performs a firmware download on a node without first failing the targets hosted on that node to it's HA cluster peer, then some LUNs may become inaccessible.		
Workaround:	Failover the Host IO to another BES/FS8-18 in the cluster before firmware upgrade to avoid this problem. If you do not follow this procedure and get into this state, issue cryptocfg –discoverLUN <container_name> to rediscover the LUN and make it accessible.		

Feature:	Data Security	**Function:**	Disk Encryption
Reported In Release:	FOS6.2.0	**Probability:**	Low

Defect ID:	DEFECT000237798	**Technical Severity:**	Medium
Summary:	ipaddrset command to set Lance GE ports IP address is non-responsive. Must reboot active CP to activate IP.		
Symptom:	Following the removal or relocation (move from one slot to another) of an FS8-18 blade from the chassis, any invocation of the ipaddrset CLI will appear to hang for a long period of time (10 minutes). An IPAD-5000 raslog will be generated at the end of that time period. Attempts to change IP addresses via ipaddrset or other management interfaces will likely fail.		
Workaround:	The following should work. Following any removal or relocation of an FS8-18 blade from any chassis slot, do an hafailover to cause the standby CP to become active. This should be done even if no change in chassis IP addresses is required as other problems could be otherwise encountered, depending on network configuration.		
Feature:	OS Services	**Function:**	IP Admin
Reported In Release:	FOS6.2.0	**Probability:**	High

Defect ID:	DEFECT000237814	**Technical Severity:**	Medium
Summary:	Add Member button is disabled while creating a new TI Zone when the switch is in VF mode		
Symptom:	In ADD TI Zone window, customer cannot use the "ADD Member" button to add the members (ports) to the Zone members.		
Workaround:	"Add Other Port" button can be used to add ports. this is available in the ADD TI Zone window.		
Feature:	WebMgmt	**Function:**	Zone Admin
Reported In Release:	FOS6.2.0	**Probability:**	High

Closed with Code Change Defects in Fabric OS v6.2.0

Defect ID:	DEFECT000203562	**Technical Severity:**	High
Summary:	Under stress testing, cfgsave takes a long time and fails to propagate on 64 VE-VE FCIP tunnel 33 switch core-edge topology running I/O		
Symptom:	Zone transactions might take longer time to complete.		
Workaround:	Wait until fabric is not saturated to push configs around		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP Port

Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000204966	**Technical Severity:**	Medium
Summary:	Adding a Brocade switch with conflicting domain ID into an EOS fabric may cause another switch to segment.		
Symptom:	Customer might notice a segmented fabric.		
Workaround:	Should check the domain Id before adding a switch to any fabric		
Risk of Fix:	Low	**Feature:**	Native Interop
Probability:	Low	**Function:**	Fabric
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205657	**Technical Severity:**	Medium
Summary:	USB port LED of DCX CP blade stays ON after HA failover		
Symptom:	USB port LED of DCX CP blade stays ON after HA failover.		
Risk of Fix:	Low	**Feature:**	OS Services
Probability:	High	**Function:**	Linux Kernal
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206238	**Technical Severity:**	High
Summary:	CUP Port stuck in Contingent Allegiance State after z9 Host IPL		
Symptom:	CUP Port busy and does not respond to hosts		
Workaround:	Reboot the switch		
Risk of Fix:	High	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206347	**Technical Severity:**	Medium
Summary:	Spinfab and porttest (diagnostics) are not supported on ICL ports		
Symptom:	Spinfab and porttest failed on ICL ports with spinfab having error DIAG PORTSTOPPED spinfab:spinfab, 0 nMegs, Pt5/17(113) Ch2/33 No Longer Transmitting, FTX Counter Stuck at 9		
Risk of Fix:	Low	**Feature:**	Tech Pubs
Probability:	High	**Function:**	Guides

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000206856	**Technical Severity:**	Medium
Summary:	Bogus core_file created and transferred after the first reboot after a firmwaredownload		
Symptom:	Creation and transfer of a xxx.core_file.tar file to the FTP server that could not be opened after a reboot operation.		
Risk of Fix:	Medium	**Feature:**	RAS
Probability:	Low	**Function:**	FFDC/Supportsave
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000207432	**Technical Severity:**	Medium
Summary:	FA4-16 and FR4-18i blades in DCX chassis may fail sysverification tests		
Symptom:	FA4-16 or FR4-18i blade in DCX chassis failing system verification test		
Workaround:	Rerun system verification		
Risk of Fix:	High	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000207948	**Technical Severity:**	High
Summary:	With a switch in Interop Mode 2 or 3, the Zoning configuration is not being included in configupload		
Symptom:	Zoning configuration is not restored when using configdownload to restore previously backed-up switch configuration.		
Risk of Fix:	Low	**Feature:**	Native Interop
Probability:	Low	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208199	**Technical Severity:**	Medium
Summary:	FICON Channel continuously sends RRQ frames for approximately 20 seconds before aborting.		
Symptom:	Channel slows significantly.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Low	**Function:**	FCP

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208466	**Technical Severity:**	Medium
Summary:	If QoS and Diff Serv are enabled, some FCIP tunnels may not come online in the case of an 8 to 1 fan-in scenario.		
Symptom:	Not all VE-ports are online. Not all FCIP tunnels are active. This will happen if 8 tunnels on one end all connect to only one IP address on the other end.		
Workaround:	Port disable/enable the VE-Port		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Low	**Function:**	FCIP Port
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208573	**Technical Severity:**	High
Summary:	Under rare conditions, fabric mode TopTalker monitor does not display correct flow values.		
Symptom:	Fabric mode TT monitor counters show 0 when traffic is running thru the switch.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	Medium	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208578	**Technical Severity:**	High
Summary:	Attempting to configure port mirroring on a director with both 4G and 8G blades may result in a software Verify error.		
Symptom:	When configuring a port mirror, a software verify error may be seen.		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	Low	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208863	**Technical Severity:**	Medium
Summary:	In rare instances the Name Server DB out of sync between FOS and EOS switches in interop mode 3.		
Symptom:	Name server total device counts are off by one on some switches. There is no nondisruptive way to get the brocade NS Database to re-sync		
Workaround:	After locating the device ID, disable and then enable that device.		

	Or restart the switch or restart the brocade switches that are out of sync.		
Risk of Fix:	Low	**Feature:**	Native Interop
Probability:	Low	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208875	**Technical Severity:**	Medium
Summary:	"Seccertutil show <filename>" does not display the contents of certificates with .cer extension		
Symptom:	Customer would not able to see the contents of the cert files		
Workaround:	Only LDAP certificates with .cer extension is supported. So use --ldapcert option for importing .cer certificates.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Security
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209078	**Technical Severity:**	High
Summary:	When resetting all the hosts on a blade or slotpoweroff/on a blade, Brocade 48000 CP reboots due to the Software Watchdog detecting unexpected termination of the Name Server daemon.		
Symptom:	Switch or CP reboots due to software watchdog which detects an unexpected termination of the Name Server daemon.		
Risk of Fix:	Medium	**Feature:**	FC Services
Probability:	Low	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209189	**Technical Severity:**	Medium
Summary:	Webtools: User will see Invalid warning during SAS firmware download on a standalone Brocade 7600 in McDATA Open Fabric mode		
Symptom:	Customer may see warning message "Some domains might not support Coordinated HCL" when attempted SAS download via webtools on 7600 in McData Open Fabric mode.		
Workaround:	Use CLI		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	High	**Function:**	Firmware Download
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209326	**Technical Severity:**	Medium
Summary:	Fastboot causes unnecessary FFDC, ERROR, ..., libipadm: em_AdmSwitchNameGet()		
Symptom:	On rare occasions, the fastboot command causes an FFDC message. This is due to the timing of a daemon being stopped and another daemon making a request to the stoped daemon.		
Risk of Fix:	Low	**Feature:**	OS Services
Probability:	High	**Function:**	IP Admin
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209376	**Technical Severity:**	Medium
Summary:	In some instances of congestion in the Ethernet network, the displayed VE port utilization value is incorrect.		
Symptom:	The VE port utilization value is zero, even though the traffic is running over 218m on a 2G FCIP tunnel.		
Workaround:	Use portperfshow command.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Fabric Watch
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209893	**Technical Severity:**	Medium
Summary:	Reject code '0B' response to a QSA frame causes channel definition errors		
Symptom:	Specific mainframe channel logs show a link reject code of hex "0b" in response to a QSA frame.		
Workaround:	The workaround for this issue was to block off a badly misbehaving port that was generating a ton of bad traffic on a switch port which was putting a lot of stress on the embedded port. Once this port was taken care of, this problem was no longer seen.		
Risk of Fix:	Medium	**Feature:**	FC Services
Probability:	Low	**Function:**	FICON
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000209895	**Technical Severity:**	High
Summary:	When the switch name is set using CLI and then read using the Read Port Address Name x'B2' command to the CUP Port x'FE' it returns the switch name with a x'7F' attach after the last character in the Switch Name.		
Symptom:	If the switch name is set using the CLI and then read using the Read Port Address Name x'B2' command to the CUP Port x'FE' it returns the switch name with a x'7F' attach after the last character in the Switch Name.		

Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210382	**Technical Severity:**	Medium
Summary:	A failed Pause frame (sent during firmwaredownload process in Interop Modes 2 and 3), will cause a fabric rebuild.		
Symptom:	Traffic is disrupted and fabric rebuilds during a HCL on switches in interop mode 2 and 3.		
Workaround:	Use the -o option to over ride the cooperative HCL feature.		
Risk of Fix:	Low	**Feature:**	Native Interop
Probability:	Medium	**Function:**	ESS
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210386	**Technical Severity:**	High
Summary:	In some instances, HCL on Brocade 5100 switch in Interop Mode requires using the -o option.		
Symptom:	Using CLI, cannot perform HCL without using the -o option. User will see the this message during the firmwaredownload process: "Coordinated HotCode Load failure. Firmware partitions are being restored. After restore completes, retry the command or use the -o option to bypass the checking of Coordinated HotCode Load."		
Workaround:	Use the -o option.		
Risk of Fix:	Low	**Feature:**	Native Interop
Probability:	Low	**Function:**	ESS
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210545	**Technical Severity:**	Medium
Summary:	A turboramtest failure does not fully disable the port on a Brocade 5300.		
Symptom:	Links to faulty switch appear to be up/online.		
Workaround:	Need to reboot faulty 5300		
Risk of Fix:	Low	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Post Diags
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210684	**Technical Severity:**	Medium

Summary:	Web Tools: DCX Blade attention LEDs on the switch view GUI window do not turn amber when blade needs attention.		
Symptom:	The Web Tools GUI LED for switchview on a DCX may not reflect the correct color state for a failed blade. The attention LED is illuminated appropriately on the blade view but not in the Web Tools switchview.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	High	**Function:**	Switch Explorer/Switch View
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210995	**Technical Severity:**	Medium
Summary:	N-Port between AG and Edge Switch (300) may stuck at "E-Port Unknown" state		
Symptom:	After disabling and enabling multiple trunked links between an AG and a Fabric switch, some N_Ports may get stuck in an E_Port Unknown state.		
Workaround:	Disabling and enabling the port on the Edge Switch will not bring the port online. Need to disable and enable the port on the AG to bring the port back online as an N-Port.		
Risk of Fix:	Medium	**Feature:**	Routing
Probability:	Low	**Function:**	Brocade 300
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211062	**Technical Severity:**	High
Summary:	Brocade 7600 giving an erroneous FWDL incompatibility error message		
Symptom:	Not able to load firmware to a Brocade 7600 running FOS v5.3.1		
Workaround:	firmwaredownload -c (to bypass compatibility check)		
Risk of Fix:	Low	**Feature:**	OS Services
Probability:	Medium	**Function:**	Firmware Download
Reported In Release:	FOS5.3.1		

Defect ID:	DEFECT000211101	**Technical Severity:**	Medium
Summary:	After multiple successive fastboots of a Brocade DCX, there was a panic due to the zone daemon dying		
Symptom:	Brocade DCX panic after multiple fastboots		
Workaround:	Fastbooting a single time works fine.		
Risk of Fix:	High	**Feature:**	FC Services
Probability:	Low	**Function:**	Zoning

Reported In Release: FOS6.1.0	

Defect ID:	DEFECT000211115	**Technical Severity:**	Medium
Summary:	FICON PTP VTS Selective Resets and Aborted sequences caused by incorrect entry into FICON tape read pipelining.		
Symptom:	IFCCs or Interface Timeouts reported at the FICON Channel interface.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Low	**Function:**	FCIP I/O
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000211313	**Technical Severity:**	Medium
Summary:	Ex-port fails to come online after downgrading firmware from FOS v6.x to v5.3 under certain conditions.		
Symptom:	This will happen if there is no Ex-port on the switch before downloading.		
Risk of Fix:	Low	**Feature:**	FOS Software
Probability:	Low	**Function:**	FCR
Reported In Release:	FOS5.3.0	**Service Request ID:**	301927

Defect ID:	DEFECT000211439	**Technical Severity:**	Medium
Summary:	Tstimezone settings can not be changed/restored with configdownload		
Symptom:	A message: "configDownload: Invalid Time Zone tz = ..." is seen when attempting a configdownload.		
Workaround:	Workaround is to remove the ts.tz param in config file and then download.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211449	**Technical Severity:**	Medium
Summary:	If a large number of EX_Ports are enabled at the same time, occasionally some will fail due to incompatible flow control parameters.		
Symptom:	Sometimes EX_Ports fail to come up when they are first enabled. A subsequent portenable will bring it online.		
Workaround:	Portdisable and enable the EX_Ports that failed.		

Risk of Fix:	Low	**Feature:**	FCR
Probability:	Medium	**Function:**	FCR Daemon
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211510	**Technical Severity:**	Medium
Summary:	In some instances, portshow may display inaccurate port authentication description/state after a CP failover.		
Symptom:	The portshow commands displays inaccurate port authentication information.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Security
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211529	**Technical Severity:**	High
Summary:	Internal server ports on embedded platform: traffic may stop due to loss of buffer credit.		
Symptom:	May see traffic stop on embedded platform when running in AG mode.		
Risk of Fix:	Low	**Feature:**	Embedded Platform Services
Probability:	Medium	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211542	**Technical Severity:**	Medium
Summary:	The error message is cryptic when the interop fabric contains more than 60 devices in the default zone and user tries cfgenable/cfgdisable.		
Symptom:	May see cryptic error like "Disable failed: Sfc Was Rejected: Remote Switch Unable To Process" when interop fabric contains more than 60 devices in the default zone and a user tries cfgenable/cfgdisable.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211609	**Technical Severity:**	High
Summary:	When disabling/enabling a port, port fencing disables the port because the allowable number of invalid transmission words is exceeded.		

Symptom:	Port is disabled because of invalid transmission words that occurred when the port was offline.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Fabric Watch
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211697	**Technical Severity:**	High
Summary:	Ag --show on a Brocade 300 shows incorrect edge switch IP address after a slave port is swapped with an N-port outside of the trunk group.		
Symptom:	"ag --show" on a Brocade 300 shows incorrect edge switch IP address.		
Workaround:	Reboot the switch: ag --show cli will show the correct output.		
Risk of Fix:	Medium	**Feature:**	Access Gateway Services
Probability:	High	**Function:**	CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211760	**Technical Severity:**	Medium
Summary:	32-character switchname and chassisname extensions do not fully display in RASLOG outputs such as errdump or supportsave output		
Symptom:	32-character switchname and chassisname extensions do not fully display in RASLOG outputs such as errdump. This only applies to Brocade 300, 5100 and 5300 switches.		
Workaround:	Use only 16-character switchname and chassisname fields if full name display in the logs is required.		
Risk of Fix:	Low	**Feature:**	RAS
Probability:	High	**Function:**	RAS Log
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211784	**Technical Severity:**	Medium
Summary:	FFDC occurs when 16-31 char switch/chassis name is input on a platform that only supports up to 15		
Symptom:	FFDC occurs in addition to the name being rejected when configuring a switch or chassis name between 16-31 characters on a platform that doesn't support the longer name.		
Risk of Fix:	Low	**Feature:**	System Controls/EM
Probability:	High	**Function:**	Legacy Platforms
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211789	**Technical Severity:**	High
Summary:	I2C response failure and subsequent reset will occasionally result in DCX fan fault errors.		
Symptom:	Fan fault error messages.		
Risk of Fix:	Low	**Feature:**	DCX Platform Services
Probability:	Low	**Function:**	Sys-Control/Environment Monitor
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000211796	**Technical Severity:**	Medium
Summary:	Under some conditions N_Port Failover may not work when swapping trunked and non-trunked N_Ports on an Access Gateway		
Symptom:	F_Ports may not correctly map to appropriate online N_Port.		
Workaround:	portdisable/portenable of F_Ports or switchdisable/switchenable or reboot the switch.		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Probability:	Low	**Function:**	F Port Trunking
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211800	**Technical Severity:**	Medium
Summary:	Auto_ELP setting for Ex port is not restored by configdownload		
Symptom:	If user disable auto_elp mode, after config upload and download, auto_elp mode is reset to default.		
Workaround:	use auto_elp mode.		
Risk of Fix:	Low	**Feature:**	FCR
Probability:	High	**Function:**	FCR Daemon
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211888	**Technical Severity:**	High
Summary:	When running stressful IRNDUP to CUP tests, user may observe Intermittent Channel Timeouts.		
Symptom:	Interface control checks are displayed.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211900	**Technical Severity:**	Medium

Summary:	Warnings of excessive high temperature could be seen on some Brocade 5100 switches.		
Symptom:	Excessive high temperature warnings could be seen on some Brocade 5100 switches. Could also see switch status change to marginal: ...WARNING, Brocade5100, High temperature (36 C), fan speed increasing per environmental specifications.		
Workaround:	Increase cooling or relocate switch to cooler location. Be sure switch is installed with proper spacing above and below the switch.		
Risk of Fix:	Low	**Feature:**	System Controls/EM
Probability:	Low	**Function:**	Brocade 5100
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211933	**Technical Severity:**	Medium
Summary:	POST (portloopback test) intermittently fails on Brocade 7500 and FR4-18i		
Symptom:	Portloopback test as part of POST failure on Brocade 7500 and FR4-18i with error "Portloopback test failed with"ERROR: DIAG INITSTATUS portloopbacktest:ExtLB, pass 1,Pt"		
Workaround:	Rerun diags by rebooting the switch or powering on the slot with FR4-18i blade.		
Risk of Fix:	High	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Post Diags
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211988	**Technical Severity:**	Medium
Summary:	Zone Transaction appears to succeed in SMIA when the transaction was aborted by web GUI.		
Symptom:	SMIA indicates a successful zone transaction even though it failed due to the transaction being aborted by another interface.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Low	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212099	**Technical Severity:**	Medium
Summary:	Port address from 'switchshow' does not include offset used for Interop mode 2		
Symptom:	switchshow doesn't include offset in NI mode		
Risk of Fix:	Low	**Feature:**	Native Interop
Probability:	High	**Function:**	Platform
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212106	**Technical Severity:**	Medium
Summary:	CRC Errors did not match between portstatsshow and porterrshow		
Symptom:	CRC errors using porterrshow may show 0 crc. Using portstatsshow reveals that the value may be incorrect (i.e. the port may have CRC errors).		
Workaround:	Use portstatsshow to determine whether there are CRC errors on a link.		
Risk of Fix:	Low	**Feature:**	DCX Platform Services
Probability:	Medium	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212267	**Technical Severity:**	High
Summary:	Under rare conditions, a Brocade DCX panics during SAK IRNDUP when the software watchdog detects an unexpected termination of the FICON CUP daemon (ficud).		
Symptom:	Interface Control Checks.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212415	**Technical Severity:**	High
Summary:	User may need to change TI zone member in order to modify TI Zone property (failover setting)		
Symptom:	Unable to modify TI zone property alone.		
Workaround:	Use configupload/download to change the TI zone. Or modify the member and the property (failover disable/enable) together.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Low	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212416	**Technical Severity:**	Medium
Summary:	SW_RSCNs for RSCNs generated by attached nodes are not being handled in McDATA Mode		
Symptom:	RSCNs are not received for notifications generated by nodes in common zones that are attached to remote domains.		
Risk of Fix:	Medium	**Feature:**	FC Services
Probability:	High	**Function:**	Name Server

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212424	**Technical Severity:**	Medium
Summary:	Legacy zone commands can be used to modify TI zones.		
Symptom:	Customer might see that the defined path for ti_zone is no longer used for devices/ISLs in the zone.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Low	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212509	**Technical Severity:**	Medium
Summary:	After hareboot, "Probing failed" on F-port messages may be seen on the Brocade 300, 5100, and 5300.		
Symptom:	Some device ports will not be able to complete login to the switch after a firmware upgrade.		
Risk of Fix:	Low	**Feature:**	Brocade 5300 Platform Services
Probability:	High	**Function:**	ASIC Port
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212535	**Technical Severity:**	Medium
Summary:	Brocade 7500 panicked after TI zone activation.		
Symptom:	Brocade 7500 panicked after TI zone activation.		
Risk of Fix:	Low	**Feature:**	FCR
Reported In Release:	FOS6.1.0	**Function:**	FCR Port

Defect ID:	DEFECT000212536	**Technical Severity:**	Medium
Summary:	Brocade FR4-18i faulted after overnight stress testing.		
Symptom:	If the customer forces a failover while the port blades are being powered on, an FR4-18i blade may be faulted.		
Workaround:	Do not configure an FCIP Tunnel		
Risk of Fix:	Low	**Feature:**	FR4-18i Platform Services
Probability:	Low	**Function:**	FR4-18i Blade FOS SW
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212613	**Technical Severity:**	High
Summary:	Received error message with high temperature (89) on edge Brocade DCX in fabric.		
Symptom:	Issue only observed once and received critical message [HIL-1502] .		
Risk of Fix:	High	**Feature:**	DCX Platform Services
		Function:	Sys-Control/Environment Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212630	**Technical Severity:**	Medium
Summary:	The portcfgnpivport CLI command will not toggle trunked slave ports if the user disables NPIV configuration on that port.		
Symptom:	Any AG port that corresponds to the NPIV F-port will not be disabled until the slave port is toggled.		
Workaround:	The user must manually toggle (enable/disable) the slave port to complete the operation..		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Probability:	High	**Function:**	F Port Trunking
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212657	**Technical Severity:**	Medium
Summary:	Faulted (51) core blade due to POST failure, resulted from overnight power cycle test.		
Symptom:	With POST enabled on a DCX system, the user may see a faulted port blade with the following error message, after power cycle of this system: 2008/03/10-04:38:15, [EM-2003], 15,, ERROR, SilkWorm88000, Slot 5 has failed the POST tests. FRU is being faulted.		
Workaround:	Disable the diagnostic POST, then slotpoweroff/on the faulted core blade.		
Risk of Fix:	High	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Post Diags
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212673	**Technical Severity:**	High
Summary:	After attempting cfgdisable on a system in native interopmode and with default zoning set to all		

	access and a large zoneset of at least 460 devices, the switch became faulty.		
Symptom:	Switch unexpectedly segments from fabric. CLI indicates that all ports are disabled and that switch is faulty. Portenable requests from CLI fail to bring ports online.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212675	**Technical Severity:**	High
Summary:	No F_RJT's being returned for class 2 frames that are not routable according to a QOS/TI configuration.		
Symptom:	The FICON channel will continue to try the connection via the channel path that experienced the timeout request, rather than trying another channel path.		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	High	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212737	**Technical Severity:**	Medium
Summary:	Brocade FR4-18i blade failed to do blade firmwaredownload		
Symptom:	Incomplete firmwaredownload for Brocade FR4-18i blade.		
Workaround:	Perform slot power off / slot power on the blade that timed out.		
Risk of Fix:	Low	**Feature:**	Infrastructure
Probability:	High	**Function:**	Firmware Download
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212746	**Technical Severity:**	High
Summary:	Switch reboots when IFL is enabled.		
Symptom:	After an HAfailover on Fabric OS v5.3.x with no EX-ports enabled, if the APT policy is enabled before the EX_Ports are enabled, the switch may panic when the IFL is added.		
Risk of Fix:	Low	**Feature:**	FOS Software
		Function:	FCR
Reported In Release:	FOS5.3.0	**Service Request ID:**	306889

Defect ID:	DEFECT000212752	**Technical Severity:**	Medium

Summary:	Frame drop observed after creating a TI zone with failover enabled in the backbone fabric (TI over FCR).		
Symptom:	Frame drop observed after creating a TI zone with failover enabled in the backbone fabric (TI over FCR).		
Risk of Fix:	Low	**Feature:**	Platform Services
Reported In Release:	FOS6.1.0	**Function:**	ASIC Driver

Defect ID:	DEFECT000212769	**Technical Severity:**	High
Summary:	Hard Zoning disabled when ports toggle.		
Symptom:	Unexpected connections between channels and devices in FICON environments, which are excluded according to the effective zoning cfg.		
Risk of Fix:	High	**Feature:**	DCX Platform Services
Probability:	High	**Function:**	FOS Kernel Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212846	**Technical Severity:**	Medium
Summary:	Pathinfo doesn't match urouteshow and rtedebug.		
Symptom:	Inconsistent debug info causing confusion		
		Feature:	Routing
Reported In Release:	FOS6.1.0	**Function:**	DCX

Defect ID:	DEFECT000212968	**Technical Severity:**	Medium
Summary:	Sensors show incorrect command output in fully loaded Brocade DCX.		
Symptom:	On a Brocade DCX fully loaded with 8 FC8-48 port blades sensors show output of blank or -1.		
Risk of Fix:	Low	**Feature:**	FOS Software
		Function:	OS: Infrastructure
Reported In Release:	FOS6.0.0	**Service Request ID:**	307775

Defect ID:	DEFECT000213172	**Technical Severity:**	High
Summary:	Update to VC assignment scheme within core ASIC management structure		
Symptom:	No impact to existing fabrics, update made for improved interoperability with a future release.		
Risk of Fix:	Low	**Feature:**	FOS Platform Services

Probability:	Low	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000213198	**Technical Severity:**	Medium
Summary:	Fastwrite performance issue with a particular FCIP ex-port configuration.		
Symptom:	Unable to reap performance benefits with fastwrite on an FCIP ex-port configuration.		
Workaround:	Disable FCR routing and Ex-ports and merge the fabric into one large fabric.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	High	**Function:**	FCIP Performance
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000213290	**Technical Severity:**	Medium
Summary:	Under Port Base Routing, topologyshow always shows 'None' for the In Port field on a Brocade 300 and 5100.		
Symptom:	Under Port Base Routing, the 'In Port' field may appear to be None for all "Out Ports," despite the presence of F-Ports/devices on the switch. Topologyshow cannot be used to determine routing paths under Port Based Routing.		
Workaround:	Use urouteshow to view the 'Out Port' selected for a particular 'In Port' to a domain when using Port Based Routing.		
Risk of Fix:	Low	**Feature:**	Routing
Probability:	Medium	**Function:**	Brocade 300
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213410	**Technical Severity:**	Medium
Summary:	Brocade 7500E restrictions bypassed via configupload/edit/configdownload/reboot		
Symptom:	Configuration limitation checks could be bypassed by uploading a config, editing the files, and then downloading the configurations back to the system.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213515	**Technical Severity:**	High
Summary:	HCL on switch continues if sent Pause frame is rejected by attached M-EOS switch		

Symptom:	HCL on switch will sometimes continues even when a sent Pause frame is rejected by another switch in the fabric.		
Risk of Fix:	Low	**Feature:**	Native Interop
Reported In Release:	FOS6.1.0	**Function:**	ESS

Defect ID:	DEFECT000213619	**Technical Severity:**	Medium
Summary:	Brocade 7500E restrictions fails to allow creation of FCIP TUNNEL numbers greater than zero		
Symptom:	An error is reported if the user attempts to assign a tunnel numbers that is greater than zero.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213804	**Technical Severity:**	High
Summary:	N_Port on Edge_AG_200E_PG got disabled with reason code "Initiator/target connected to N-Port"		
Symptom:	1 Nport on EdgeAG_200E_81 connecting to CoreAG_300_automatically and that NPort got disabled on Edge AG with reason code "Initiator/target connected to N-Port" although on the core AG (300_autopolicy), its corresponding NPIV F_Port is detected as an FPort (portcfgnport = 0)		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0	**Function:**	Daemon

Defect ID:	DEFECT000213971	**Technical Severity:**	Medium
Summary:	Firmware download of Fabric OS v6.1.0 is allowed on an embedded blade that should not allow it.		
Symptom:	Fabric OS v6.1.0 can be downloaded to a Brocade 5410.		
Risk of Fix:	Low	**Feature:**	Infrastructure
Probability:	High	**Function:**	Firmware Download
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000214091	**Technical Severity:**	Medium
Summary:	Fabric Rebuild during 5100 HCL when 1 of 2 Backbones connect to a M6140 director.		
Symptom:	Fabric Rebuild during 5100 HCL when 1 of 2 Backbones connect to a M6140 director.		
Risk of Fix:	Low	**Feature:**	FCR
Reported In Release:	FOS6.1.0	**Function:**	FCR HA

Defect ID:	DEFECT000214113	**Technical Severity:**	Medium
Summary:	FCIP FICON feature can be enabled on restricted Brocade 7500E via configdownload		
Symptom:	FICON acceleration license checking could be defeated with a procedure of uploading configurations, editing files, then downloading the files		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000214163	**Technical Severity:**	High
Summary:	If Turboramtest is performed, the Telnet console will disconnect.		
Symptom:	If "turboramtest" is performed by Brocade 5300 running FOS v6.1.0, the telnet console will disconnect.		
Risk of Fix:	Low	**Feature:**	Diagnostics
Probability:	High	**Function:**	Other
Reported In Release:	FOS6.1.0	**Service Request ID:**	309263

Defect ID:	DEFECT000214402	**Technical Severity:**	Medium
Summary:	Incorrect error when changed switchname for more than 24 characters through CLI in FMS mode.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000214505	**Technical Severity:**	High
Summary:	F_Ports on Brocade 300 AG cannot login, and become G-Ports		
Symptom:	Fport14 and Fport15 connected on Edge AG. After enabled FLOGI on San Tester Ports, Fport14 and Fport15 could not log in. They became G-Ports. However, when doing portshow on NPIV FPort of the Core_AG, pwwn of Fport14 and Fport15 on Edge_AG shown up.		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0	**Function:**	Brocade 300

Defect ID:	DEFECT000214882	**Technical Severity:**	Medium

Summary:	Occasionally LD port get into lock up state that causes "portGetVCCredits get failed" and the ISL will segmented with LD incomp although portcfgshow shows both sides of ISL config are the same.		
Symptom:	Occasionally LD port get into lock up state that causes "portGetVCCredits get failed" and the ISL will segmented with LD incomp although portcfgshow shows both sides of ISL config are the same.		
Workaround:	To recover, reset with portcfgdefault/portcfgqos.		
Risk of Fix:	Medium	**Feature:**	Brocade 5300 Platform Services
Probability:	Low	**Function:**	ASIC Port
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000214886	**Technical Severity:**	Medium
Summary:	EE monitor counters may not get updated after performing switchdisable/switchenble or reboot.		
Symptom:	After adding EE monitors, if user performs a switchdisable/switchenable or a reboot, all EE monitors are not properly updated.		
Workaround:	Retrieve all EE monitors from the FLASH by issuing perfcfgrestore. All EE monitor counters will be properly updated.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	Medium	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000215600	**Technical Severity:**	Medium
Summary:	Failed Brocade FA4-18 blade can cause "rtedebug s p v" command in supportshow to consistently panic the CP during supportsave		
Symptom:	A Brocade FA4-18 blade that is v5.3.0a or lower will not come up properly in a DCX in high slot numbers (known defect). In addition, any attempt to collect support information using supportsave will result in CP failover due to kernel panic that occurs during the supportsave operation.		
Risk of Fix:	Low	**Feature:**	DCX Platform Services
Probability:	Low	**Function:**	Routing
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000215614	**Technical Severity:**	Medium
Summary:	Static Routing Does Not Affect Dynamic Routes with DLS ON on Supported Platforms		
Symptom:	Load balancing will not occur when ports with static routes are added on supported platforms (Brocade switches 4100, 200E, 5000).		

Risk of Fix:	Low	**Feature:**	Routing
Probability:	Low	**Function:**	Legacy Platforms
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000215635	**Technical Severity:**	Medium
Summary:	Brocade 5300 fan module can be marked faulty after multiple and repeated removals/reinsertions.		
Symptom:	Fan module will remain faulty until reboot or power cycle.		
Workaround:	Reboot or power cycle.		
Risk of Fix:	Low	**Feature:**	System Controls/EM
Probability:	High	**Function:**	Brocade 5300
Reported In Release:	FOS6.1.0	**Service Request ID:**	311495

Defect ID:	DEFECT000215783	**Technical Severity:**	High
Summary:	gzoneinfo.htm page returns empty data when CLI actually shows defined/eff cfg zone info for fabric		
Symptom:	When customer manages the fabrics through Manageability Applications (Webtools or DCFM) that does zoning through HTTP, they will not see the existing zones or zone cfgs resulting in confusion whereas the data is actually there on switch		
Workaround:	Do any other HTTP post operation from DCFM and then you see both the old data as well as the newly pushed zone info. I've also seen rebooting the switch helps sometimes but not always.		
Risk of Fix:	Low	**Feature:**	Mgmt Embedded - HTTP
Probability:	Medium	**Function:**	Zone Admin
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216520	**Technical Severity:**	Medium
Summary:	Third party storage center application does not survive in an FCIP network with 1% packet loss and 100 ms network latency.		
Symptom:	Application aborts/timeouts.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP-RAS
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000216622	**Technical Severity:**	High

Summary:	Traffic Isolation failover policy reverts back to "disabled" from "enabled" after changing the port membership list.		
Symptom:	Web Tools failover policy reverting to disabled when port members are modified.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216685	**Technical Severity:**	High
Summary:	Hareboot on Brocade 7500 FC fastwrite enabled switch causes the system to panic with "Oops: kernel access of bad area, sig: 11 [#1]"		
Symptom:	Hareboot on Brocade 7500 FC fastwrite enabled switch causes the system to panic with "Oops: kernel access of bad area, sig: 11 [#1]"		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	High	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216741	**Technical Severity:**	High
Summary:	Fabric Mode TT displays redundant flows with different values for the same SID/DID pair on the core switches when there are redundant trunk groups to the same edge domain		
Symptom:	Fabric Mode TT displays redundant flows with different values for the same SID/DID pair on the core switches when there are redundant trunk groups to the same edge domain. And fabric mode TT misses some flows on the edge switches when there are redundant trunk groups to the same edge switch.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Reported In Release:	FOS6.1.0	**Function:**	Advanced Performance Monitor

Defect ID:	DEFECT000216750	**Technical Severity:**	Medium
Summary:	DLS ON does not rebalance when ISLs to a different switch is removed on Brocade DCX and 5300		
Symptom:	Topologyshow and urouteshow will indicate that the "In Ports" are not balanced between all the available "Out Ports" after ISLs to adjacent switches are removed when using Port Based Routing with DLS ON.		
Workaround:	Perform switchdisable and switchenable to force a rebalance of the routes.		
Probability:	Low	**Feature:**	Routing
Reported In Release:	FOS6.1.0	**Function:**	DCX

Defect ID:	DEFECT000216814	**Technical Severity:**	Medium
Summary:	On a Brocade 5300, the system status LED does not flash amber/green when a power supply is faulted.		
Symptom:	Instead of flashing amber/green, it remains a steady green.		
Risk of Fix:	Low	**Feature:**	System Controls/EM
Probability:	High	**Function:**	Brocade 5300
Reported In Release:	FOS6.1.0	**Service Request ID:**	312559

Defect ID:	DEFECT000217066	**Technical Severity:**	Medium
Summary:	User with admin role in some AD is able to add another user with admin role in AD as ALL.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	Switch Admin
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000217122	**Technical Severity:**	Medium
Summary:	"Reset to default" button is grayed out always in SCSI vs. IP traffic setup window.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Reported In Release:	FOS6.1.1	**Function:**	Performance Monitor

Defect ID:	DEFECT000217171	**Technical Severity:**	Medium
Summary:	USB Admin is not in sync with CLI when launched . It shows the correct info only when we click refresh button		
Symptom:	USB Admin is not in sync with CLI when launched . It shows the correct info only when we click refresh button		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	USB Management
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000217251	**Technical Severity:**	High
Summary:	Name Server database is being set with incorrect WWN's for NPIV nodes when port ALPA = 0x13		
Symptom:	Virtual nodes cannot connect to targets in the fabric		
Workaround:	Port ALPA must be set to default value of 0x00 for ports hosting NPIV nodes		

Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217257	**Technical Severity:**	High
Summary:	Potential timeouts and aborts during Device Discovery and CU busy processing when using FICON XRC Emulation.		
Symptom:	Interface control checks or Channel detected timeout messages on MVS console.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	High	**Function:**	FCIP I/O
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000217309	**Technical Severity:**	Medium
Summary:	When a DCX blade is powered off, Fabric Watch displays unnecessary warning message about SFP voltages		
Symptom:	When powering off a DCX blade, Fabric Watch will display messages that read , "[FW-1050], 21,, WARNING, DCX_two, Sfp Supply Voltage for port 12/0, is below low boundary(High=3600, Low=3150). Current value is 0 mV" that is generated for every sfp on a blade that is powered off(using slotpoweroff)		
Workaround:	Ignore messages - they indicate no problem and have no side effect.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Fabric Watch
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000217329	**Technical Severity:**	High
Summary:	The EnumerateSelectedInstances CAL call on Brocade_ISL returns a port which is not present in GFABRIC MS call.		
Risk of Fix:	Medium	**Feature:**	Mgmt Embedded - CAL
Reported In Release:	FOS6.1.1	**Function:**	Other

Defect ID:	DEFECT000217364	**Technical Severity:**	Medium
Summary:	FICON Tape Write Pipelining does not function with converter.		
Symptom:	IFC connected tape devices do not function through the FCIP tunnel if FICON tape Pipelining is enabled.		

Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217657	**Technical Severity:**	Medium
Summary:	In configure tab under switch admin tab, if value entered in R_A_TOV and E_D_TOV is more than the threshold, the error message displays the wrong range of values to be entered.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	Switch Admin
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000217682	**Technical Severity:**	High
Summary:	Integrated Routing with multiple ports in an EX_Port trunk, may not properly send an entire exchange on the same link.		
Symptom:	End user may see I/O errors due to out of order frames.		
Workaround:	Disable trunking on Brocade DCX and Brocade 300, 5100, and 5300 EX_Ports.		
Risk of Fix:	Low	**Feature:**	FCR
Probability:	High	**Function:**	Integrated Routing
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217743	**Technical Severity:**	Medium
Summary:	Sort does not work on Accessible Devices screen of name server		
Symptom:	Columns do not sort in the "Accessible Devices" window of the name server of Webtools.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	High	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217750	**Technical Severity:**	Medium
Summary:	"Seccertutil gencsr" is not accepted in non-interactive mode if parameter has a space in it.		
Symptom:	"Seccertutil gencsr" results in an error.		
Workaround:	Use the interactive mode to generate the csr file.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure

Probability:	High	**Function:**	Security
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217982	**Technical Severity:**	Medium
Summary:	IPAD FFDC error occurred after reboot of 200e		
Symptom:	supportsave uploaded \\Hq-samba-1\sj_eng\defects...		
Risk of Fix:	Low	**Feature:**	Diagnostics
Reported In Release:	FOS6.1.0	**Function:**	Other

Defect ID:	DEFECT000218208	**Technical Severity:**	High
Summary:	Brocade 5300 license(s) disappeared and user is not able to re-install them.		
Symptom:	No license key(s) are present and switch can not be used. Traffic stops.		
Workaround:	Clean Install		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	License
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218288	**Technical Severity:**	Medium
Summary:	Switch Throughput Utilization Graph launches with all ports in graph if we try launching by removing all ports from the edit Switch Throughput Utilization dialog.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	Performance Monitor
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000218307	**Technical Severity:**	High
Summary:	CUP Asynchronous Error Reporting Location not being set by default		
Symptom:	Mainframe host does not receive notification of switch events for which Asynchronous Error Reports should be generated, unless a reporting path has been explicitly set by the host.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	FICON

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218368	**Technical Severity:**	Medium
Summary:	AG N_port connected to embedded switch in inter-op mode 2 could not restart traffic after switchdisable/enable followed by configupload/download.		
Symptom:	Unable to restart traffic.		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Probability:	High	**Function:**	CLI
Reported In Release:	FOS6.1.0_emb		

Defect ID:	DEFECT000218370	**Technical Severity:**	High
Summary:	All ports come up Disabled (Persistent) after FMS mode is set while switch is offline		
Symptom:	All ports are set "Disabled (Persistent)" after enabling FMS while switch is disabled, then bringing the switch online.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218388	**Technical Severity:**	Medium
Summary:	Fast Write could obtain incorrect FCP command data length if the optional additional CDB length is selected.		
Symptom:	Incorrect command data length may be computed.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Low	**Function:**	FCIP I/O
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000218398	**Technical Severity:**	Medium
Summary:	Unable to activate zone set in Interopmode2 fabric while there is an ISL connected between a Brocade 3012 and 4100 switches.		
Symptom:	The ISL between the two switches has some sort of link level problem that is causing the Zone merge requests to timeout.		
Risk of Fix:	Low	**Feature:**	FC Services
Reported In Release:	FOS6.1.0	**Function:**	Zoning

Defect ID:	DEFECT000218542	**Technical Severity:**	Medium
Summary:	Security Violation Console Message reported on un-existing port# on a Brocade 4900 (interopmode 2) with no security policy set		
Symptom:	Brocade 4900 running in McDATA Native Mode, security violation message was reported on Port #66 although there are only 64 ports on a 4900.		
Risk of Fix:	Low	**Feature:**	Platform Services
Reported In Release:	FOS6.1.0	**Function:**	FOS Kernel Drivers

Defect ID:	DEFECT000218579	**Technical Severity:**	High
Summary:	FOS does not send RSCN for CUP disable / enable in NI mode 2		
Symptom:	FICON host not notified when FOS CUP becomes enabled - must rely upon I/O and recovery timeouts to detect loss of connection. FICON host does not receive initiative to reconnect to FOS CUP when FMS becomes enabled.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218786	**Technical Severity:**	High
Summary:	Channel ack_1 to Control Unit ACC is being F_RJT'd after successful RNID		
Symptom:	IFCC during device connection attempt		
		Feature:	Platform Services
Reported In Release:	FOS6.1.0	**Function:**	C2 ASIC driver

Defect ID:	DEFECT000218883	**Technical Severity:**	High
Summary:	F_RJT not returned for unroutable class 2 PLOGI		
Workaround:	Don't use port 0 for an ISL		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	High	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218976
Summary:	FICON host recovery of remote paths to local CUP cannot complete after routes are cleared on

	ingress E_Port of local switch
Symptom:	FICON host cannot recover remote connectivity to local CUP after local switch leaves and subsequently rejoins fabric.
Workaround:	Force remote channels offline and then online to reinitiate fabric login so that local E_Port routes to CUP will be reprogrammed
Risk of Fix:	Low **Feature:** Platform Services
Probability:	High **Function:** Routing
Reported In Release:	FOS6.1.0b

Defect ID:	DEFECT000219147	**Technical Severity:**	High
Summary:	ASSERT - Failed expression: sts.st_byte running SAK/IRNDUP to Brocade DCX.		
Symptom:	Missing CE DE status		
Risk of Fix:	Low	**Feature:**	FC Services
Reported In Release:	FOS6.1.0	**Function:**	FICON

Defect ID:	DEFECT000219492	**Technical Severity:**	High
Summary:	FMS does not retry status after FICON channel returns LBY for Device End		
Symptom:	FICON host incurs an IFCC for missing CE + DE status. I/O operation to the CUP does not complete		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000219509	**Technical Severity:**	High
Summary:	FICON CUP reports incorrect Director Size Code in Basic Sense and Sense ID data for Brocade 5100 and 5300 switches.		
Symptom:	File write operations are rejected by the Director, with Unit-Check status. Sense Data returned for the reject indicates that the host attempted to transfer the configuration file with the Director Size Code set to the wrong value for the machine.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	High	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000219650	**Technical Severity:**	Medium

Summary:	Portcfgspeed command on 8G FC platforms are accepting invalid port speed = 5		
Symptom:	Switches accept invalid port speed 5 and set the speed to 8G. Speed will be set to 8, for that port.		
Workaround:	Do not provide a value of 5 to the portcfgspeed command. Speed will be set to 8. If that is not desired, re-submit the command with the proper port speed		
Risk of Fix:	Medium	**Feature:**	FOS Platform Services
Probability:	Medium	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000219669	**Technical Severity:**	Medium
Summary:	XRC Emulation allows FICON Disk Control Unit paths to be activated with DPR Mode.		
Symptom:	Unable to activate a mixture of CHPIDs through the Brocade 7500/FR4-18i and Edge/USD-X extension equipment.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000219702	**Technical Severity:**	High
Summary:	FMS stuck busy condition caused host *MASTER* START PENDING upon bringing switch online to mainframe operating system.		
Symptom:	The FICON mainframe host incurred *MASTER*, START PENDING conditions upon attempting to vary a Brocade 5100 switch online to the 2nd and 3rd of 3 LPARs, each utilizing 4 channel paths.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000219944	**Technical Severity:**	Medium
Summary:	CP card of Brocade 48000 is set to FAULTY (51).		
Symptom:	CP blade will be set to FAULTY if the following operations are carried out. 1) The HaFailover command is executed from CP1. 2) CP1 is turned off after HaFailover completion. 3) CP1 is removed and inserted. 4) CP1 is turned on.		

	CP1 will fail in initialization. Then, it is not possible to go in the state of HA. [frequency of occurrence] The test was executed 4 times and this phenomenon occurred one times. [other] CP card was restored by reboot.		
Risk of Fix:	Low	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Post Diags
Reported In Release:	FOS6.1.0	**Service Request ID:**	321673

Defect ID:	DEFECT000220003	**Technical Severity:**	Medium
Summary:	Brocade 300, 5100, and 5300 systems: when normal fan activity is interrupted, the high RPM fan rate cycle time takes 1 hour.		
Symptom:	If the fans go to high speed either because a fan failed, became overheated, or in the case of the 5100 and 5300 was removed, there is a built-in delay before they go back to normal speed after the fault condition has been rectified.		
Risk of Fix:	Low	**Feature:**	System Controls/EM
		Function:	Brocade 300
Reported In Release:	FOS6.1.0	**Service Request ID:**	322097

Defect ID:	DEFECT000220176	**Technical Severity:**	Medium
Summary:	RLS request from FICON host receives LS_RJT 031F in Interopmode 2		
Symptom:	Switch fails to return link error status block (lesb) to FICON host		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	High	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000220311	**Technical Severity:**	High
Summary:	FMS Mode enable failed due to insufficient frame filtering resources on some ports.		
Symptom:	FMS cannot be enabled.		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	Medium	**Function:**	C2 ASIC driver

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000220313	**Technical Severity:**	High
Summary:	Brocade DCX blades fault after resetting a server with 32 HBAs		
Symptom:	Blade is faulted		
Workaround:	Power cycle the slot. Set port speed to anything other than autonegotiate.		
Risk of Fix:	Low	**Feature:**	FOS Platform Services
Probability:	Medium	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000220464	**Technical Severity:**	Medium
Summary:	Fast Write configuration not properly installed after repeated, back-to-back cable pull and re-inserts.		
Symptom:	FC interface WCHK1 error message received.		
Risk of Fix:	Low	**Feature:**	FC Services
Reported In Release:	FOS6.1.0	**Function:**	Name Server

Defect ID:	DEFECT000220474	**Technical Severity:**	High
Summary:	Out of Order frames delivered to DCX via FICON channel from Brocade 5100 attached to a storage device (DASD).		
Symptom:	IFCC's incurred on channel interface.		
Risk of Fix:	Low	**Feature:**	Platform Services
Probability:	High	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000220891	**Technical Severity:**	Medium
Summary:	CAL exception “Non-Secure tunnel can not be configured on the same port as IP sec enabled tunnels.” come When trying to configure an IP Sec tunnel on a switch which already had Non secure tunnels in it.		
Risk of Fix:	Low	**Feature:**	FCIP
Reported In Release:	FOS6.1.0	**Function:**	FCIP CLI

Defect ID:	DEFECT000221271	**Technical Severity:**	Medium

Summary:	Fastwrite will attempt to configure, even on a Brocade FR4-18i blade that has failed to initialize successfully.		
Symptom:	A bad blade installed into a good system could cause the system to assert and reboot.		
Risk of Fix:	Medium	**Feature:**	FOS Software
Reported In Release:	FOS5.3.0	**Function:**	FC Layer 2 Routing

Defect ID:	DEFECT000221293	**Technical Severity:**	High
Summary:	Zoned crashes after Brocade DCX power cycle and zone transaction aborted		
Symptom:	Traffic disruption occurs.		
Risk of Fix:	Medium	**Feature:**	Platform Services
Probability:	Medium	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000221369	**Technical Severity:**	Medium
Summary:	SMIA does not have information about SFP/GBIC type for a port		
Symptom:	SMIA does not show whether a port is Copper (backplane) or SFP (user) type.		
Workaround:	The embedded platforms have well know user/server ports which is documented in the user manuals.		
Risk of Fix:	Low	**Feature:**	Embedded
Probability:	High	**Function:**	MGMT BACKEND
Reported In Release:	FOS6.1.0_emb		

Defect ID:	DEFECT000221532	**Technical Severity:**	Medium
Summary:	The tag field of the node identifier command returned contains the port number on which the command was received, instead of the tag field of the device on the other end of the link.		
Symptom:	The port number of the port on which the command was received will be returned.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Low	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000221659	**Technical Severity:**	Medium
Summary:	Gzoneinfo.htm is returning empty zone information on fabric with FOS v6.1.1.		

Symptom:	Gzoneinfo.htm is returning empty zone information on fabric with FOS v6.1.1.		
Workaround:	reboot the switch.		
Risk of Fix:	Low	**Feature:**	Mgmt Embedded - HTTP
Probability:	Medium	**Function:**	Zone Admin
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000221664	**Technical Severity:**	High
Summary:	Kernel Panic on Brocade 5480 after firmwaredownload.		
Symptom:	Brocade 5480 in AG mode running FOS v6.1.0_emb. After performing firmwaredownload and during reboot (after firmware has downloaded to 2nd partition), the kernel panics and switch keeps on rebooting.		
Risk of Fix:	Low	**Feature:**	Embedded
Reported In Release:	FOS 6.1.0_8e	**Function:**	Platform

Defect ID:	DEFECT000221847	**Technical Severity:**	High
Summary:	Brocade 5410 panics after F-Port trunking was enabled on 2 NPIV F-Ports connecting an Brocade 5424 AG.		
Symptom:	Brocade 5410 was used as an edge switch for Brocade 5424 AG connecting on NPIV F-Ports 7 & 8. Brocade 5410 panics and keeps on rebooting after F-Port trunking was enabled on NPIV F-Ports 7 & 8.		
Risk of Fix:	Low	**Feature:**	Embedded
Reported In Release:	FOS 6.1.0_8e	**Function:**	Platform

Defect ID:	DEFECT000221849	**Technical Severity:**	Medium
Summary:	Conversion of uwatt to dbm for GE ports Tx Rx values shown in webtools are incorrect.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	FCIP
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000221907	**Technical Severity:**	Medium
Summary:	Brocade 5100: FRU faulty status is not recovered correctly.		
Symptom:	Customer saw that FRU faulty status is not recovered even after connect to the correct power source when once it operated with single power source.		
Workaround:	Turn on the power switch as soon as possible after inserting a fan/power supply unit into the		

	system.		
Risk of Fix:	Low	**Feature:**	Brocade 5100 Platform Services
Probability:	Medium	**Function:**	Sys-Control/Environment Monitor
Reported In Release:	FOS6.1.0	**Service Request ID:**	326227

Defect ID:	DEFECT000221919	**Technical Severity:**	Medium
Summary:	Brocade 7600 HCL requests the -O Option Immediately before the FWDL appears complete.		
Symptom:	HCL on Brocade 7600 fails and requests the -O option immediately before FWDL appears complete.		
Workaround:	Use the -O option during HCL on Brocade 7600, which is disruptive.		
Risk of Fix:	Low	**Feature:**	FC Services
Reported In Release:	FOS6.1.1	**Function:**	Other

Defect ID:	DEFECT000222045	**Technical Severity:**	Medium
Summary:	Third party array responds to ADISC with LOGO only over router fabric, S_ID does not match N_ID.		
Symptom:	Over routed fabric vendor HBAs do not get LUNs from third party arrays (HBA gets LOGO from array).		
Workaround:	For McDATA mode edge fabric, only McDATA switches have to be connected directly to FCR. The work around is valid as long as we have only McData switches directly connected to Ex-Ports.		
Risk of Fix:	Medium	**Feature:**	FCR
Reported In Release:	FOS6.1.1	**Function:**	FCR Port

Defect ID:	DEFECT000222114	**Technical Severity:**	Medium
Summary:	Ipfilter – Audit log (SEC- 3035, 3036, 3037): message properties generating log without the appropriate key word.		
Symptom:	IP filter command generates the log, but it does not contain the keyword "AUDIT."		
Risk of Fix:	Low	**Feature:**	FOS Software
Reported In Release:	FOS6.0.0	**Function:**	Management Services

Defect ID:	DEFECT000222239	**Technical Severity:**	High
Summary:	AG trunks are not formed correctly when connected to an embedded switch.		
Symptom:	Trunking groups will not form correctly when attempting to set up trunking configuration to an embedded switch from a switch in Access Gateway mode.		

Risk of Fix:	Low	**Feature:**	Embedded
Probability:	High	**Function:**	FC Service
Reported In Release:	FOS 6.1.0_8e		

Defect ID:	DEFECT000222317	**Technical Severity:**	Medium
Summary:	Tape Selective Reset error due to incorrect handling of Early End Synchronization status.		
Symptom:	Job is failing due to a selective reset after read pipelining incorrectly processed a status frame as a chain breaking status event during a GVRESTOR job.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP I/O
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000222352	**Technical Severity:**	Medium
Summary:	Fport prefers to multiple Nports		
Symptom:	It was observed that an Fport prefers to all of the Nports in the same Group.		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0_utah	**Function:**	CLI

Defect ID:	DEFECT000222441	**Technical Severity:**	Medium
Summary:	FICON Device Level Ack Emulation Processing error.		
Symptom:	DvcAck emulation processing in FICON XRC and FICON Tape emulation logic can incorrectly generate a DvcAck when not appropriate.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000222711	**Technical Severity:**	Medium
Summary:	Command ipaddrshow does not show the IP address of a blade that is seated in slot 12 of a Brocade DCX.		
Symptom:	If customer issues ipaddrshow, without the "-slot" option and a blade that contains an ethernet port is seated in slot 12, then the ip address information for that blade is not shown. Blades affected are the Brocade FA4-18 and FS8-18.		
Workaround:	Issue ipaddrshow -slot 12 to get the information.		

Risk of Fix:	Low	**Feature:**	OS Services
Probability:	Medium	**Function:**	IP Admin
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000223099	**Technical Severity:**	Medium
Summary:	Brocade 7500E firmwaredownload fails without upgrade license.		
Symptom:	Brocade 7500E firmwaredownload fails without upgrade license.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	High	**Function:**	FCIP CLI
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000223242	**Technical Severity:**	High
Summary:	Rekey of LUNs hosted through active/passive ports will not complete if started on the passive path.		
Symptom:	When both paths of an active/passive array are hosted on a single Brocade Encryption Switch, the rekeying will not complete if the rekey operation is started on a passive path of the array.		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Medium	**Function:**	Re-key
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000223415	**Technical Severity:**	Medium
Summary:	Remove check to prevent downgrade of 7500E to FOS v6.1.0 code level.		
Symptom:	Remove check to prevent downgrade of 7500E to FOS v6.1.0 code level.		
Risk of Fix:	Low	**Feature:**	FCIP
Reported In Release:	FOS6.1.1	**Function:**	FCIP CLI

Defect ID:	DEFECT000223419	**Technical Severity:**	Medium
Summary:	'Wave Length' column in port optics dialog is currently blank.		
Symptom:	User does not view any value for the 'Wave Length' column in port optics dialog.		
Risk of Fix:	Low	**Feature:**	Mgmt Embedded - CAL
Reported In Release:	FOS6.1.1	**Function:**	Other

Defect ID:	DEFECT000224460	**Technical Severity:**	High
Summary:	Host may lose targets on edge AG in cascaded setup when failover from core-AG to another core-AG connected to different edge fabric switches.		
Symptom:	Host would lose targets on edge in cascaded setup when F-port is failed over from one N-port connected on one core-AG to another N-port connected to another core-AG.		
Workaround:	Disable/enable the N-port		
Risk of Fix:	Medium	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0_emb	**Function:**	CLI

Defect ID:	DEFECT000224471	**Technical Severity:**	Medium
Summary:	FICON Write Pipelining not working with Sun VTSS CLINK Devices		
Symptom:	Less than expected performance during the copy phase for VTSS to VTSS copies.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000224474	**Technical Severity:**	Medium
Summary:	After installing the encryption performance upgrade license, there is no prompt of the end user to reboot the switch to make the license effective.		
Symptom:	End user may notice no improvement in crypto traffic performance after installing an encryption performance upgrade license on switches that are passing more than 32 or 64 Gbps of crypto traffic on the Brocade Encryption Switch (BES) or 48 Gbps of crypto traffic on the FS8-18 within DCX .		
Workaround:	Reboot the Brocade Encryption Switch or DCX.		
Risk of Fix:	Medium	**Feature:**	Data Security
Probability:	High	**Function:**	Platform
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000224572	**Technical Severity:**	High
Summary:	Web Tools zoning breaks when 3rd party storage virtualization appliance changed to standby mode		
Symptom:	Customer will see Web Tools hangs at the "initialization done" when trying to launch zoning from the web interface. User won't be able to launch zoning from any switch in fabric. Once the 3rd party storage virtualization appliance was placed back in ssi cf mode the problem goes away.		
Workaround:	Change the 3rd party storage virtualization appliance to standby cf mode		

Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	High	**Function:**	Zone Admin
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000224600	**Technical Severity:**	Medium
Summary:	The removal of an “encryption performance upgrade” license is not prevented.		
Symptom:	End user will be able to un-install an encryption performance upgrade license without warning and without being prevented or prompted. This could lead to unpredictable results for crypto traffic once the removal of the license is effective (i.e. upon reboot).		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Low	**Function:**	Platform
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000224715	**Technical Severity:**	High
Summary:	After configuring Brocade 300 AG so that F-Port Trunking works and then performing portdisable on N-Ports and then hareboot the Brocade 300 AG caused unexpected termination of AGD.		
Risk of Fix:	Low	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0	**Function:**	F Port Trunking

Defect ID:	DEFECT000224997	**Technical Severity:**	Medium
Summary:	Audit Log [ZONE -3001] not generated when a member is added to TI Zone		
Symptom:	Three issues with reference to audit log is being identified in TI Zones		
Risk of Fix:	Low	**Feature:**	FC Services
Reported In Release:	FOS6.0.0	**Function:**	Zoning

Defect ID:	DEFECT000225615	**Technical Severity:**	Medium
Summary:	After an Brocade FS8-18 blade is removed from DCX, "cryptocfg --show -groupmember -all" should not show EE for that slot		
Symptom:	Customer may see some un-wanted information after removing the FS8-18 blade from the chassis.		
Workaround:	User should ignore encryption information displayed for that slot.		
Risk of Fix:	Medium	**Feature:**	Data Security
Probability:	Medium	**Function:**	CLI
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000225690	**Technical Severity:**	Medium
Summary:	Topologyshow cannot show the "In ports" mapped to "Out port" in port-based routing policy.		
Symptom:	Cannot use topologyshow in port based routing.		
Risk of Fix:	Low	**Feature:**	FOS Platform Services
Probability:	Medium	**Function:**	Routing
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000225717	**Technical Severity:**	High
Summary:	Applications that write to a LUN that is being rekeyed may see I/O errors		
Symptom:	When a rekeying operation is underway on a LUN, applications that access that LUN may indicate errors when they write to that LUN.		
Workaround:	When performing a rekeying operation on the LUN, it is recommended that the customer quiesce access to that LUN.		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Medium	**Function:**	Re-key
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000226000	**Technical Severity:**	Medium
Summary:	TCP RX Window advertisement can be much smaller than the actual size of the RX Window.		
Symptom:	When an application request with max RX window size is larger than the largest TCP advertised RX window size (33M), a very small window size is being advertised. The end result is poor performance.		
Workaround:	Reduce committed rate on the FCIP tunnel until the RX window is less than 33 MB.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Low	**Function:**	FCP TCP/IP Stack
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000226061	**Technical Severity:**	High
Summary:	FICON Tape Write Pipelining Selective Resets after CmdRetry to No Op Sequence or LBY		
Symptom:	FICON Tape job failures with IOS000 missing device end messages on MVS console.		
Workaround:	Disable FICON Tape Write Pipelining.		

Risk of Fix:	Low	**Feature:**	FCIP
Probability:	High	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000226389	**Technical Severity:**	High
Summary:	Ficud panic and reboot on DCX occurs after executing host command to display the switch.		
Risk of Fix:	Low	**Feature:**	FC Services
Reported In Release:	FOS6.1.1	**Function:**	FICON

Defect ID:	DEFECT000226646	**Technical Severity:**	High
Summary:	On manual failback of containers, first time encryption of LUNs did not resume and rekey state remains in Cluster Sync state		
Symptom:	Rekey sessions may not resume on failback of container.		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Medium	**Function:**	Re-key
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000226693	**Technical Severity:**	Medium
Summary:	The event description from swEventTraps(related to RLIR events) is not well formatted		
Symptom:	In FICON environment, raslog MS-1009 has the switch port Id displayed in an unfriendly format.		
Risk of Fix:	Low	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Mgmt Server
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000226765	**Technical Severity:**	Medium
Summary:	Stressing Brocade FS8-18 GE ports while re-key is in progress resulted split in encryption group		
Symptom:	Due to Network congestion on Management and Cluster Link User may see split condition of Cluster/EG.		
Workaround:	Recover from EG Split condition manually via steps provided in Admin Guide		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Low	**Function:**	HA Cluster
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000226793	**Technical Severity:**	Medium
Summary:	4 node LUN discovery fails if one of the lun out of 4 luns is trespassed.		
Symptom:	With 4 luns, if one lun is trespassed, lun discovery with clear text container fails.		
Risk of Fix:	Low	**Feature:**	Data Security
Reported In Release:	FOS6.1.1_enc	**Function:**	Disk Encryption

Defect ID:	DEFECT000227322	**Technical Severity:**	High
Summary:	3rd party application paths fails when FC FastWrite is enabled with bi-directional traffic.		
Symptom:	3rd party application path fails. The user needs disable FC FastWrite to recover. Observed out of order frames or dropped frames with FC FastWrite enabled.		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	Other
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000227978	**Technical Severity:**	Medium
Summary:	Java running out of memory in Web Tools		
Symptom:	Web Tools application gets very sluggish.		
Risk of Fix:	Low	**Feature:**	WebMgmt
Probability:	High	**Function:**	Other
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000228106	**Technical Severity:**	High
Summary:	No RSCN sent for physical device offline/online		
Symptom:	Devices cannot "see" each other even though both are online		
Workaround:	switchdisable/enable of the 7500 allows the devices to "see" each other		
Risk of Fix:	Low	**Feature:**	FC Services
Probability:	Medium	**Function:**	Name Server
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000228681	**Technical Severity:**	Medium
Summary:	CRC error observed between BROCADE 5100 and Brocade 5300 with a particular SFP type		

Symptom:	When connected Brocade 5300 and 5100, CRC errors on trunk ports were observed		
Risk of Fix:	Low	**Feature:**	FOS Software
Probability:	Low	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000229390	**Technical Severity:**	High
Summary:	Fibre Channel FastWrite path does not recover after restoring DWDM connection.		
Symptom:	One of two paths fail after one minute on a specific tape storage device with a DWDM 50KM link after cable pull and insertion test.		
Risk of Fix:	Low	**Feature:**	FR4-18i Platform Services
Probability:	Low	**Function:**	FR4-18i Blade FOS SW
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000230657	**Technical Severity:**	Medium
Summary:	Console security feature causes process failure.		
Symptom:	Console security feature causes process failure.		
Risk of Fix:	Medium	**Feature:**	UNDETERMINED
Reported In Release:	FOS 6.1.0_del	**Function:**	UNDER REVIEW

Defect ID:	DEFECT000230676	**Technical Severity:**	Medium
Summary:	Failover during rekey of 200+ LUNs results in error message: [CVLC-1017], 1770/143,, ERROR, dcx101, Event: Unrecoverable error.		
Symptom:	CVLC-1017 error message gets generated however there is no I/O, re-key, or data miscompare error.		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Low	**Function:**	Re-key
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000231420	**Technical Severity:**	Medium
Summary:	PORT RSCNs are sent to DPC (VIs & VTs) every time when the configuration changes, which is unrelated to VT/VI. This affects any application that uses frame redirect zoning.		
Symptom:	Unexpected disruption on VI or VT when cfgenable unrelated devices zone change.		
Risk of Fix:	Low	**Feature:**	FOS Software

Probability:	High	**Function:**	Fabric Services
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000231674	**Technical Severity:**	Medium
Summary:	Inconsistent specification of LUN configuration can end up with multiple paths to the LUN each using different DEKs		
Symptom:	Potential corruption of data as 2 different keys might be used to access the same LUN		
Workaround:	Before enabling the LUN on a Path (Crypto Target Container) which was disabled, make sure that LUN is not already enabled on another path (Crypto Target Container). First delete the LUN (which was in disabled state) and add back the LUN to that Crypto Target Container with same policies as for other path of the LUN.		
Risk of Fix:	Medium	**Feature:**	Data Security
Probability:	Medium	**Function:**	Disk Encryption
Reported In Release:	FOS6.1.1_enc	**Service Request ID:**	343565

Defect ID:	DEFECT000231925	**Technical Severity:**	Medium
Summary:	FICON tape Write Acceleration - sent UC status to channel twice for one UC from device side		
Workaround:	Resubmit failed jobs.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	Medium	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000231952	**Technical Severity:**	High
Summary:	Various tape creation or restore process issues found with FICON tape.		
Symptom:	Unexpected errors encountered during Tape Cancel and Selective Reset processing.		
Risk of Fix:	Low	**Feature:**	FCIP
Probability:	High	**Function:**	FCIP I/O
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000232629	**Technical Severity:**	High
Summary:	Initiator does not log into target several hours into ISL failover stress test that forces host path failover		
Symptom:	After running stress test where ISL to BES is disabled and re-enabled repeatedly, in a fabric where a host has a dual path connection to its target, the host will indicate that the path to the		

	target is down.		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Medium	**Function:**	Disk Encryption
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000233465	**Technical Severity:**	Medium
Summary:	Trying to enable a LUN on a member node fails stating 'Specified target not hosted by local node'.		
Symptom:	Attempts to enable a disabled member node hosted LUN are unsuccessful and with fail with message " Specified target not hosted by local node".		
Risk of Fix:	Low	**Feature:**	Mgmt Embedded - CAL
Probability:	Medium	**Function:**	Mace
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000234112	**Technical Severity:**	High
Summary:	In an active/passive configuration (3rd party storage array), automatic rekey invoked after LUN being trespassed may result in two different KeyIDs for the same LUN.		
Symptom:	In an active/passive storage array (3rd party storage array), after a defined LUN is trespassed, a manual rekey results in two different Key IDs for the LUN that's made available from two different paths.		
Risk of Fix:	Low	**Feature:**	Data Security
Probability:	Medium	**Function:**	Disk Encryption
Reported In Release:	FOS6.1.1_enc	**Service Request ID:**	341137

Defect ID:	DEFECT000234320	**Technical Severity:**	Medium
Summary:	Configdownload fails for fdd.* parameters from FOS v6.1.1 to v6.2.0 through CAL.		
Risk of Fix:	Low	**Feature:**	Mgmt Embedded - CAL
Reported In Release:	FOS6.1.1	**Function:**	Other

Defect ID:	DEFECT000234374	**Technical Severity:**	High
Summary:	First time encryption of LUNs failed with error LUN state: Disabled (Re-key ack timeout)		
Risk of Fix:	Low	**Feature:**	Data Security
Reported In Release:	FOS6.1.1_enc	**Function:**	Disk Encryption

Defect ID:	DEFECT000235448	**Technical Severity:**	Medium
Summary:	With default zoning set to All Access, ACK frame with FC_type Extended Link can be dropped.		
Symptom:	Race condition may cause frame drop.		
Risk of Fix:	Low	**Feature:**	FOS Software
Reported In Release:	FOS6.1.1	**Function:**	ASIC Driver

Closed without Code Change Defects in Fabric OS v6.2.0

Defect ID:	DEFECT000077221	**Technical Severity:**	High
Summary:	A benign warning message is displayed after Firmwaredownload clean up script runs on the switch.		
Symptom:	Warning message displayed.		
Reason Code:	Can Not Fix	**Feature:**	Software
Service Request ID:	RQST00000053012	**Function:**	Firmware Download
Reported In Release:	FOS5.0.5		

Defect ID:	DEFECT000202155	**Technical Severity:**	High
Summary:	GigE port reports CRC Errors when Compression/ IPSec turned on with FICON Traffic		
Symptom:	CRC Errors indicated but no channels errors recorded		
Workaround:	The work around is to disable IP Sec operations on the tunnel. It also appears that reducing the committed bandwidth rate also reduces the occurrences of reported CRC errors.		
Reason Code:	Can Not Fix	**Feature:**	FCIP
Probability:	High	**Function:**	FCIP I/O
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000203433	**Technical Severity:**	High
Summary:	Long delays on Modify Block State command causes missing interrupts with FICON devices		
Symptom:	Customer might see an MVS error message on the console.		

Reason Code:	Already Fixed in Release	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000204537	**Technical Severity:**	High
Summary:	In a 12 switch BB fabric with a 1MB zone db, some frame loss seen when doing HCL from 6.0 to 5.3 with LSAN traffic from Brocade 7500 FCR backbone to the edge fabric		
Symptom:	During a downgrade from FOS v6.0 to v5.3 on Brocade 7500 platform, customer might see a few dropped frames.		
Reason Code:	Will Not Fix	**Feature:**	Infrastructure
Probability:	Low	**Function:**	High Availability
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205304	**Technical Severity:**	High
Summary:	Some devices stuck in Initializing state from fcrproxydevshow output after disable/enable FCR switch backbone connected to McData Edge (Fabric Mode)		
Symptom:	Some hosts might not see targets due to proxy devices not being imported		
Workaround:	When multiple EX_Ports from the same FCR are connected to multiple McData Edge switches, need to make sure there a least-cost-path between McData switches.		
Reason Code:	Will Not Fix	**Feature:**	Native Interop
Probability:	Medium	**Function:**	Routing
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205893	**Technical Severity:**	High
Summary:	On a system that has several hundred performance monitors, if all counters are deleted and immediately followed by failover, an oops was seen in some cases		
Symptom:	Customer might see the switch reboot if the specific sequence is followed.		
Reason Code:	Not Reproducible	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206400	**Technical Severity:**	High
Summary:	Inter DPC messages are getting dropped on Brocade AP7600.		

Symptom:	Rangelock requests to volume on other DPC are timing out. When send the requests from dpc0 to dpc1, it works but not the other direction due to missing routes. This impacts Brocade AP7600 platform only.		
Reason Code:	Already Fixed in Release	**Feature:**	Platform Services
Probability:	Medium	**Function:**	Routing
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000206657	**Technical Severity:**	High
Summary:	Brocade 4024 power-on-self-test (POST) failure on chassis power on.		
Symptom:	An unexpected interrupt during POST caused POST to fail and the switch to fault.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	EM / Hil / Sysctrl
Reported In Release:	FOS5.2.1	**Service Request ID:**	RQST00000068438

Defect ID:	DEFECT000206705	**Technical Severity:**	High
Summary:	Brocade 4424: Switch panics and FFDC files generated after repeated testing of hot plug.		
Symptom:	This occurs during repeated hotplug testing.		
Reason Code:	Already Fixed in Release	**Feature:**	Embedded
Reported In Release:	FOS5.3.0_emb	**Function:**	Platform

Defect ID:	DEFECT000206819	**Technical Severity:**	High
Summary:	Flooding of an unknown inter-switch FDMI command from another vendor's switch is causing the switch to crash.		
Symptom:	Daemon was killed due to out of memory.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	Fabric Services
Reported In Release:	FOS5.2.2	**Service Request ID:**	RQST00000068767

Defect ID:	DEFECT000206858	**Technical Severity:**	High
Summary:	In certain situations, unable to disable a switch which is in interopmode:2(McDATA Fabric mode), with FMS mode enabled.		
Symptom:	Unable to disable a switch which is in interopmode 2 (McDATA Fabric mode), with FMS mode enabled. "switchDisable failed. FICON Management server mode (fmsmode) is enabled, switch could be busy with another command. Please try again later."		

Workaround:	Disable FMS mode and then do switchdisable "ficoncupset fmsmode disable"		
Reason Code:	Not Reproducible	**Feature:**	FC Services
Probability:	Low	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000207473	**Technical Severity:**	High
Summary:	During fastwrite, a 3rd party device drops a status frame due to data alignment.		
Symptom:	A specific 3rd party device drops a frame that is not 8 byte aligned during fastwrite. The data frame is sent correctly , only that the 3rd party device does not like the alignment		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	FCIP
Reported In Release:	FOS5.3.0	**Service Request ID:**	130559

Defect ID:	DEFECT000207485	**Technical Severity:**	High
Summary:	Ffdc SNMP trace dump seen.		
Symptom:	Ffdc SNMP trace dump seen.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
		Function:	SNMP
Reported In Release:	FOS5.3.0	**Service Request ID:**	130401

Defect ID:	DEFECT000207557	**Technical Severity:**	High
Summary:	ISL Segmentation occurs in a mixed fabric		
Symptom:	Fabric is unstable due to ISL segmentation		
Workaround:	Blocking & Unblocking a port from Mi10k brings up the ISL, but again the ISL gets segmented		
Reason Code:	Not a Defect	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Mgmt Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000207943	**Technical Severity:**	High
Summary:	Essd core dump not long after Brocade 48000 switch is enabled.		

Symptom:	Switch will panic due to Assert and essd core dump.		
Reason Code:	Not Reproducible	**Feature:**	FC Services
Probability:	Low	**Function:**	ESS
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208396	**Technical Severity:**	High
Summary:	System clock drifts on FA4-48 board and a Brocade AP7600.		
Symptom:	BP clock can drift about 14 minutes a day. It can cause switch supportsave data out of SYNC on two platforms: AP7600 and FA4-48.		
Reason Code:	Already Fixed in Release	**Feature:**	OS Services
Probability:	Medium	**Function:**	Linux Kernal
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208808	**Technical Severity:**	High
Summary:	On highly impaired network, third party hardware link may bounce when a committed rate of zero is used to configure an FCIP link.		
Symptom:	Tunnel Failure or very poor performance after link retransmissions when tunnel was configured with a committed rate of 0 (uncommitted). The observation is when latency is > 190ms RTT or, packet loss is >= .1% and latency is >= 50ms RTT.		
Workaround:	Use non zero committed rate for the tunnels.		
Reason Code:	Will Not Fix	**Feature:**	FOS Software
Probability:	Low	**Function:**	FCIP
Reported In Release:	FOS6.0.0	**Service Request ID:**	245313

Defect ID:	DEFECT000209214	**Technical Severity:**	High
Summary:	Continuous panic reboot observed on Brocade 48000 after inserting a Brocade FR4-18i blade.		
Symptom:	Could result in continuous SW ASSERT loop.		
Reason Code:	Already Fixed in Release	**Feature:**	FCR
Reported In Release:	FOS5.3.1	**Function:**	IPFC-FCR

Defect ID:	DEFECT000209343	**Technical Severity:**	High
Summary:	After repeatedly running bladedisable/enable on one FC8-48 blade for 6 hours, a Brocade DCX panics.		

Symptom:	May see DCX panic with "ASSERT - Failed expression: vfid <= ((0x709000-0x708000)/4), file = /../asic/condor2/c2_vf.c, line = 193, ...		
Workaround:	After the switch comes back up, reboot the switch.		
Reason Code:	Already Fixed in Release	**Feature:**	DCX Platform Services
Probability:	Low	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209359	**Technical Severity:**	High
Summary:	Standby CP faulty 21 on HCL from FOS v6.0.0b to v5.3.0d.		
Symptom:	CP faulty and traffic interrupted.		
Reason Code:	Not Applicable	**Feature:**	Infrastructure
Reported In Release:	FOS6.0.0	**Function:**	Firmware Download

Defect ID:	DEFECT000209776	**Technical Severity:**	High
Summary:	HCL (HAReboot) on Brocade 5100 switch may fail (cold start) causing dropped IO.		
Symptom:	Dropped IO as a result of firmwaredownload		
Reason Code:	Not Applicable	**Feature:**	Platform Services
Probability:	Low	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209825	**Technical Severity:**	High
Summary:	HCL failure and VERIFY seen when updating firmware on a Brocade 5100 switch with EX ports		
Symptom:	May see verify messages when upgrading the FW on Brocade 5100.		
Reason Code:	Not Reproducible	**Feature:**	C2 EX Port
Probability:	Low	**Function:**	FOS Kernel
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209840	**Technical Severity:**	High
Summary:	Slow security sync dump caused HCL to be disruptive on Brocade DCX.		
Symptom:	Traffic interrupted during HCL from FOS v6.1.0 to FOS v6.0.0b on Brocade DCX.		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure

Probability:	Low	**Function:**	Security
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209964	**Technical Severity:**	High
Summary:	Syslog destination registration through Fabric Manager fails in a large fabric		
Symptom:	Syslog destination registration fails in a large fabric for certain switches when discovered in FM.		
Workaround:	Set syslog IP addresses via WebTools or CLI		
Reason Code:	Not Reproducible	**Feature:**	Mgmt Embedded - CAL
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000210701	**Technical Severity:**	High
Summary:	NameServer entries on a Brocade M4700 may not be accurate in regards to devices on an attached access gateway		
Symptom:	AG ports from the AG are reflected on incorrect ports from the Brocade M4700's point of view. For example, AG ports are using area 16, but the M4700 shows entries on port 17 as well as entries for other ports that should all be "hidden" behind port/area 16.		
Reason Code:	Not Reproducible	**Feature:**	Native Interop
Probability:	Low	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211065	**Technical Severity:**	High
Summary:	Remote host RNID request for unavailable port receives F_RJT 0116 from DCX		
Symptom:	May see FRejects with incorrect reason on some error cases.		
Reason Code:	Will Not Fix	**Feature:**	DCX Platform Services
Probability:	High	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211286	**Technical Severity:**	High
Summary:	Changing fcrRouterPortCost on Ex-ports in the backbone, does not change the preferred route path		
Symptom:	After running test case "Rerouting Occurs When Link Cost In A Path Changes", when changing the cost using fcrRouterPortCost command, the traffic does not flow through the		

	path with the lowest cost. The problem occurred on both the Brocade 7500 switch and the FR4-18i Router Blade in Brocade 48000.		
Workaround:	N/A traffic will continue, but appears to flow on randomly selected route.		
Reason Code:	Will Not Fix	**Feature:**	FCR
Reported In Release:	FOS5.3.1	**Function:**	IPFC-FCR

Defect ID:	DEFECT000211420	**Technical Severity:**	High
Summary:	After removing port mirroring configuration, the traffic is mirrored.		
Symptom:	Even if no SID/DID pairs are configured for port mirroring, traffic still flows on the mirror port.		
Workaround:	Disable the sid/did pair or disable the mirror port		
Reason Code:	Not Reproducible	**Feature:**	Brocade 300 Platform Services
Probability:	High	**Function:**	ASIC Port
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211706	**Technical Severity:**	High
Summary:	IP over FC broadcast frames may not be forwarded across FCR after several cfgenables		
Symptom:	After changing the effective cfg several times on an edge fabric, IPFC host on that edge fabric cannot ping hosts on other edge fabrics.		
Workaround:	Disable and enable IP over FC hosts.		
Reason Code:	Not Reproducible	**Feature:**	FCR
Probability:	Low	**Function:**	IPFC
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211786	**Technical Severity:**	High
Summary:	Iswitchd panic seen on Brocade DCX and 5100 while running I/O and switch disable/enable overnight		
Symptom:	Switch panic (due to iswitchd) and reboots or fails over to standby		
Reason Code:	Already Fixed in Release	**Feature:**	FCR
Probability:	Low	**Function:**	FCR Daemon
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211994	**Technical Severity:**	High

Summary:	AG: "ag --prefshow" shows same fport mapped to multiple preferred N_ports		
Symptom:	may see an fport mapped to multiple preferred N_ports		
Workaround:	ag –prefdel on incorrect N_Ports will clear the wrong mapping		
Reason Code:	Not Reproducible	**Feature:**	Access Gateway Services
Probability:	Low	**Function:**	CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212175	**Technical Severity:**	High
Summary:	Non-TI traffic may be routed to a TI EX-Port and could get dropped at edge when edge TI zone in failover disabled mode		
Symptom:	No-TI traffic may experience frame loss when TI over FCR with failover disabled is active.		
Workaround:	For TI zones that are spanning over the FCR, the TI Failover mode in the edge fabrics should always be set to enable. The TI failover disabled mode in the backbone can be set to enabled or disabled.		
Reason Code:	Will Not Fix	**Feature:**	Platform Services
Probability:	High	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212310	**Technical Severity:**	High
Summary:	Ports are left disabled on Power-up after port with large virtual-node count comes online		
Symptom:	Ports remain disabled following switch power-up, after a port with a large virtual node count comes online.		
Workaround:	enable ports that are left disabled from CLI		
Reason Code:	Not Reproducible	**Feature:**	Brocade 5100 Platform Services
Probability:	Low	**Function:**	Blade Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212620	**Technical Severity:**	High
Summary:	FFDC and core dump after some problems with configdownload		
Symptom:	Support save of both CPs have been uploaded. \\Hq-samba-1\sj_eng\defects		
Reason Code:	Not Reproducible	**Feature:**	Infrastructure

Reported In Release:	FOS6.1.0	**Function:**	Config Download

Defect ID:	DEFECT000212625	**Technical Severity:**	High
Summary:	Switch panic due to management server daemon (msd) running out of memory.		
Symptom:	When there is an application request GPPN on a device connected to multiple switches, the customer might see continuous rtwr messages on a pair of switches directed at each other from the msd: [RTWR-1003],,, INFO, , msd0: RTWR retry 48 to domain 152, iu_data 1000000 RTWR Maxretries exhausted: 0x30, 0x8, 0x65, 0x0, 0x41d on multipath switches. It could lead to a switch panic when memory is exhausted.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	Management Services
Reported In Release:	FOS5.2.0	**Service Request ID:**	306893

Defect ID:	DEFECT000212627	**Technical Severity:**	High
Summary:	Slots in Brocade 48000 and DCX went faulty and islshow shows panic.		
Symptom:	Slots in Brocade 48000 and DCX went faulty and islshow shows panic.		
Reason Code:	Not Reproducible	**Feature:**	Platform Services
Reported In Release:	FOS6.1.0	**Function:**	ASIC Driver

Defect ID:	DEFECT000212849	**Technical Severity:**	High
Summary:	RTWR on edge switch		
Symptom:	May see RTWRs on an edge switch and loss of traffic when VE-Port belonging to a TI over FCR zone is toggled.		
Reason Code:	Not Reproducible	**Feature:**	Platform Services
Probability:	Medium	**Function:**	FOS Kernel Drivers
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212853	**Technical Severity:**	High
Summary:	After running a firmware upgrade on an attached FOS switch, the Brocade 48000 took an FFDC		
Symptom:	I/O did not seem to be affected but this did cause a failover.		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure
Reported In Release:	FOS6.1.0	**Function:**	Security

Defect ID:	DEFECT000212865	**Technical Severity:**	High
Summary:	FICON channels in TI zones with failover disabled have no CUP connectivity		
Symptom:	FICON channels operating in TI zones with failover disabled cannot connect to local or remote CUP ports		
Reason Code:	Already Fixed in Release	**Feature:**	Routing
Probability:	High	**Function:**	DCX
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212884	**Technical Severity:**	High
Summary:	CP replacement fails to resolve CP FAULTY(21) issues: failure is with port blade.		
Symptom:	slotshow reveals FAULTY(21) status for CP blade, and BLL-1000 messages display slot 6 port 53 as a faulty port.		
Workaround:	In this instance run bladeportmap --slot 6, was able to map slot 6 port 53 to slot8/port9.		
Reason Code:	Will Not Fix	**Feature:**	FOS Software
Service Request ID:	305965	**Function:**	FC Layer 2 Routing
Reported In Release:	FOS5.2.1		

Defect ID:	DEFECT000212946	**Technical Severity:**	High
Summary:	After running non disruptive I/O overnight the 300 is scrolling messages about iscsi support		
Symptom:	Supportsave has been uploaded. \\Hq-samba-1\sj_eng\defects		
Reason Code:	Not a Defect	**Feature:**	Mgmt Embedded - SNMP
Reported In Release:	FOS6.1.0	**Function:**	ISCSI MIB SUPPORT

Defect ID:	DEFECT000214336	**Technical Severity:**	High
Summary:	FCR: observed frame drop when using shared area EX_Ports		
Symptom:	When traffic flows through an EX_Port that is a shared area port on the FC8-48 blade, some frame drop is observed.		
Workaround:	Do not use shared area ports as EX_Ports		
Reason Code:	Not a Defect	**Feature:**	FCR
Probability:	High	**Function:**	Integrated Routing
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000214817	**Technical Severity:**	High
Summary:	All PLOGI frames to Cascaded CUP Ports ar F-REJ code x'0104'		
Symptom:	Unable to vary online all cascaded CUP Ports		
Reason Code:	Already Fixed in Release	**Feature:**	FC Services
Probability:	High	**Function:**	Fabric
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000214913	**Technical Severity:**	High
Summary:	Edge switch Brocade DCX CPs continuously panic after failover due to an assert, and the fabric reports zone segmentation when running in a SAS application environment.		
Symptom:	When running a 3rd party SAS application and binding a target attached to a DCX with a host attached to another switch in the fabric, all the ISLs on the DCX segment encounter a zone conflict.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Medium	**Function:**	EM / Hil / Sysctrl
Reported In Release:	FOS6.0.0	**Service Request ID:**	310455

Defect ID:	DEFECT000215488	**Technical Severity:**	High
Summary:	Switch level RSCN is causing the backup CP to fault in interopmode 2.		
Symptom:	Backup CP faults.		
Reason Code:	Already Fixed in Release	**Feature:**	Native Interop
Probability:	High	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216104	**Technical Severity:**	High
Summary:	Brocade AP 7600 stays in a panic loop due to corrupted memory being accessed after zone configuration change with VI and VT.		
Symptom:	Brocade AP 7600 panics with message *** glibc detected *** malloc(): memory corruption *** on console during frame redirection zone configuration update.		
Reason Code:	Already Fixed in Release	**Feature:**	FC Services
Probability:	Medium	**Function:**	Name Server
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000216515	**Technical Severity:**	High
Summary:	Ports are being disabled by Port Fencing when dropping light on mainframe port in FICON environment.		
Symptom:	Customer's port is disabled because of invalid transmission words that occurred when the port was offline.		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Fabric Watch
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216679	**Technical Severity:**	High
Summary:	Unable to send traffic via a dedicated path between two switches when TI zones are enabled with Failover enabled		
Symptom:	Expected the "pathinfo 125 5 5" CLI command will reflect the dedicated path. Observed that after the TI zone was created, the pathinfo command did not reflect the TI zone		
Reason Code:	Not a Defect	**Feature:**	Routing
Probability:	High	**Function:**	Legacy Platforms
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217385	**Technical Severity:**	High
Summary:	After fast boot of Brocade DCX, found FR4-18i blade in faulty state.		
Symptom:	Brocade FR4-18i faulty76 error.		
Reason Code:	Not Applicable	**Feature:**	FR4-18i Platform Services
Reported In Release:	FOS6.1.0	**Function:**	FR4-18i Blade FOS SW

Defect ID:	DEFECT000217519	**Technical Severity:**	High
Summary:	HCL from FOS v6.1.0a to v6.1.0a on Brocade DCX didn't complete and took a panic.		
Symptom:	Traffic disruption occurs.		
Reason Code:	Not Reproducible	**Feature:**	Platform Services
Probability:	Medium	**Function:**	Sys-Control/Environment Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217540	**Technical Severity:**	High

Summary:	CP faults when the number of zone pairs in the fabric exceeds the supported limit.		
Symptom:	CP faults, causing IFCCs.		
Reason Code:	Already Fixed in Release	**Feature:**	Platform Services
Probability:	High	**Function:**	C2 ASIC driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217559	**Technical Severity:**	High
Summary:	CP faulting with VERIFYs and Oops from switch driver.		
Symptom:	Brocade DCX CP panics causing IFCCs.		
Reason Code:	Not Reproducible	**Feature:**	DCX Platform Services
Reported In Release:	FOS6.1.0	**Function:**	FOS Kernel Driver

Defect ID:	DEFECT000217616	**Technical Severity:**	High
Summary:	Firmwaredownload fails with reason “System in Redundant state” even though the HA state is fine on the switch		
Reason Code:	Not a Defect	**Feature:**	Mgmt Embedded - HTTP
Reported In Release:	FOS6.1.0	**Function:**	Firmware Download

Defect ID:	DEFECT000217717	**Technical Severity:**	High
Summary:	CUP returns LS_RJT 1106 (no paths) to host requests after logical paths are established		
Symptom:	Channel path cannot establish connectivity to FOS CUP.		
Reason Code:	Not Reproducible	**Feature:**	FC Services
Probability:	High	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000218123	**Technical Severity:**	High
Summary:	Loss of Light followed by Loss of Signal on a mainframe port causes port to be fenced		
Symptom:	Customer's port is disabled because of invalid transmission words that occurred when the port was not active.		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure
Reported In Release:	FOS6.1.0	**Function:**	Fabric Watch

Defect ID:	DEFECT000218740	**Technical Severity:**	High
Summary:	Staging error occurs while enabling fabric binding on mixed fabric in InteropMode-2 and-3.		
Symptom:	Staging error occurs while enabling fabric binding on mixed fabric in InteropMode-2 and-3.		
Reason Code:	Not a Defect	**Feature:**	Native Interop
Reported In Release:	FOS6.1.0	**Function:**	L2 Security

Defect ID:	DEFECT000219390	**Technical Severity:**	High
Summary:	DE to FICON host is withheld for 60 seconds after P_RJT is returned for Read Neighbor Node ID command for E_Port link		
Symptom:	FICON host incurs a timeout IFCC after sending Read Neighbor Node ID request to FOS CUP, when Interface ID for the request is set to an E_Port hosting an EOSc switch.		
Workaround:	One can workaround the problem by setting MIHPTO to a value higher than 1 minute, then forcing the channels defined to the CUP to log back into the switch, so that the FICON host will read the new value prior to allowing z/OS to resume sending Read Neighbor Node ID requests to FMS.		
Reason Code:	Not Applicable	**Feature:**	Fabric Infrastructure
Reported In Release:	FOS6.1.0	**Function:**	Mgmt Server

Defect ID:	DEFECT000219700	**Technical Severity:**	High
Summary:	DE never returned to host for split status on Read Neighbor Node ID for link to M6140.		
Symptom:	FICON host incurs a timeout IFCC after sending Read Neighbor Node ID request to FOS CUP, when Interface ID for the request is set to an E_Port hosting an M-EOS switch.		
Reason Code:	Not a Defect	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000220138	**Technical Severity:**	High
Summary:	FMS unresponsive to all i/o requests after Selective Reset while DE status pending, and RMF was polling the CUP		
Symptom:	Operator display messages as follows - IEF196I IOS071I 1002,8E,*MASTER*, MISSING CHANNEL AND DEVICE END *IOS152E DEVICE 1002 BOXED BY SUBCHANNEL RECOVERY, DEVICE STATE UNKNOWN IEF281I 1002 NOW OFFLINE - DEVICE IS BOXED		
Workaround:	There is no workaround to avoid the error condition itself. Connectivity to the CUP in the case where it is lost, may be restored on dual CP platforms by forcing an hafailover.		

Reason Code:	Not Reproducible	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000221963	**Technical Severity:**	High
Summary:	Agshow on edge switches doesn't update correct information from Brocade 5481 AG.		
Symptom:	it was observed that agshow output on edge switches connecting Brocade 5481 doesn't get updated right away when Brocade 5481 is already stabilized (meaning Fports and Nports are online and stabled on AG).		
Reason Code:	Not Applicable	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0_utah	**Function:**	CLI

Defect ID:	DEFECT000224587	**Technical Severity:**	High
Summary:	In a 9 switch fabric some class 3 frame drops occur.		
Symptom:	In a poorly designed fabric, Customer may see some Class 3 frame drops. The same symptom may happen when a fabric has at least slow draining device such as 1 or 2 Gbps target or host.		
Workaround:	Follow the Brocade Fabric Design Guidelines and Best Practices. Use traffic isolation zones feature to isolate the traffic to slow drain device.		
Reason Code:	Not Reproducible	**Feature:**	FOS Platform Services
Probability:	Low	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000226593	**Technical Severity:**	High
Summary:	Evmd panic occurs when upgrading from FOS v5.1.x to FOS v5.3.x.		
Symptom:	After upgrading 1 CP, if the other CP hasn't being upgraded and there happens to be another evmd listening events occur, there is a possibility for the switch to panic.		
Workaround:	Make sure both the CPs are upgraded together		
Reason Code:	Not Applicable	**Feature:**	FOS Software
Probability:	Low	**Function:**	Management Services
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000234726	**Technical Severity:**	High
Summary:	Encrypted EVA -XL LUNS do not present to Windows host via device manager, but present fine without encryption		

Reason Code:	Will Not Fix	**Feature:**	Data Security
		Function:	Disk Encryption
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000079995	**Technical Severity:**	Medium
Summary:	SSH does not present password if key is not accepted.		
Symptom:	This is a request for an enhancement.		
Reason Code:	Will Not Fix	**Feature:**	Software
		Function:	Security
Reported In Release:	FOS4.4.0	**Service Request ID:**	RQST00000055755

Defect ID:	DEFECT000080831	**Technical Severity:**	Medium
Summary:	Brocade 4020 hits a software ASSERT and cannot complete boot sequence.		
Symptom:	Switch gets into a boot loop and cannot be recovered with power cycle. This applies to Brocade 4020 platform only.		
Reason Code:	Already Fixed in Release	**Feature:**	Software
Reported In Release:	FOS5.0.5	**Function:**	Other

Defect ID:	DEFECT000201534	**Technical Severity:**	Medium
Summary:	Error thrown on deleting IPv6 address and clearing all the SysLog IP's from WT.		
Symptom:	User will be misled stating that the SysLog IP have not been cleared, but in reality it has been deleted.		
Workaround:	Do not clear off IPv6 and SysLog IP in the same operation.		
Reason Code:	Already Fixed in Release	**Feature:**	RAS
Probability:	High	**Function:**	RAS Log
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000201902	**Technical Severity:**	Medium
Summary:	"ag --show" displays incorrect firmware version.		
Symptom:	User will observe that "ag --show" CLI displays incorrect firmware version.		
Workaround:	PROBLEM_AREA_FIXED: Other		

	ROOT_CAUSE: Bug Fix TESTS: <not required; multiple lines allowed; enter below> Tested by downloading the firmware with name v5.3.1_dvr_dell_superhawk_05		
Reason Code:	Not a Defect	**Feature:**	UNDETERMINED
Reported In Release:	FOS5.3.0_emb	**Function:**	UNDER REVIEW

Defect ID:	DEFECT000203047	**Technical Severity:**	Medium
Summary:	Issuing portcamshow with NPIV (>250 devices) results in some incorrect DID and SID entries		
Symptom:	No visible impact to customer other than incorrect portcamshow output		
Reason Code:	Already Fixed in Release	**Feature:**	Platform Services
Probability:	Low	**Function:**	ASIC Driver
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000203446	**Technical Severity:**	Medium
Summary:	Upon moving EX-Ports from one BB switch to another BB switch (without changing the EX_Port FID), a mismatch of lsanzone database occurred between BB switches		
Symptom:	Upon moving Ex-Port links to different switch in BB, I/O may be lost.		
Reason Code:	Will Not Fix	**Feature:**	FCR
Probability:	High	**Function:**	FCR Port
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000203447	**Technical Severity:**	Medium
Summary:	Port_scn removes logical paths from wrong port.		
Symptom:	Port_scn for one port removes logical path for another port by mistake resulting in some paths not coming on line.		
Reason Code:	Already Fixed in Release	**Feature:**	FC Services
Probability:	Low	**Function:**	FICON
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000203710	**Technical Severity:**	Medium
Summary:	PG policy (default for 6.x) does not get automatically enabled when upgrading from a FOS v5.3 or prior release.		

Symptom:	Customer might notice incorrect policy settings after upgrade.		
Workaround:	ag --policyenable pg		
Reason Code:	Will Not Fix	**Feature:**	Access Gateway Services
Probability:	High	**Function:**	CLI
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000204084	**Technical Severity:**	Medium
Summary:	WebTools Rename is not working for core blade when FICON CUP is enabled on the switch		
Symptom:	WT Rename not working for core blades		
Reason Code:	Not Reproducible	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000204400	**Technical Severity:**	Medium
Summary:	After bladedisable/enable of port blades and HAfailover on Brocade DCX, found many WARNING messages		
Symptom:	WARNING ASIC error: slot8 [BL-5215] Nept_200, ASIC error/fault message received for chip = 0, OID:0x43811080, pen_chip.c		
Reason Code:	Not Reproducible	**Feature:**	DCX Platform Services
Probability:	High	**Function:**	ASIC Other
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000204514	**Technical Severity:**	Medium
Summary:	Fwshow RX/TX performance displays ZERO on the port receiving & transmitting full speed 8G traffic.		
Symptom:	Customer might notice incorrect output from fwshow		
Workaround:	Use fwconfigure instead of fwshow to get this data.		
Reason Code:	Not Applicable	**Feature:**	Fabric Infrastructure
Probability:	Medium	**Function:**	Fabric Watch
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000204836	**Technical Severity:**	Medium

Summary:	After running diagnostics that report failure, the LED may be left in an incorrect state.		
Symptom:	Blade status LED may blink yellow although the blade is Enabled and Online.		
Workaround:	slotpoweroff/slotpoweron of the blade with blinking LED.		
Reason Code:	Will Not Fix	**Feature:**	DCX Platform Services
Probability:	Low	**Function:**	Sys-Control/Environment Monitor
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205039	**Technical Severity:**	Medium
Summary:	Changing Interop mode from mode-0 to mode-2 or 3 and then back to mode-0 leads to I/O failure following a cfgdisable and enable		
Symptom:	May see loss of device connectivity when changing switches interop mode multiple times.		
Workaround:	Toggle the local zoned device on the 5000		
Reason Code:	Not Reproducible	**Feature:**	Native Interop
Probability:	Low	**Function:**	Zoning
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205041	**Technical Severity:**	Medium
Summary:	Changing interopmode 0 to 2 and back to 0 resulted in a segmented fabric		
Symptom:	Customer might see a segmented fabric if changing switch interop modes multiple times.		
Reason Code:	Not Reproducible	**Feature:**	Native Interop
Probability:	Low	**Function:**	Fabric
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205413	**Technical Severity:**	Medium
Summary:	FCIP testing with tape pipelining enabled results in failures		
Symptom:	Traffic stops during testing when a host flood the switch with NS query (such as GSPN) due to the query response was not passed back to the host on backbone switch through FCR router.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	FCR
Reported In Release:	FOS5.3.0	**Service Request ID:**	RQST00000066445

Defect ID:	DEFECT000205542	**Technical Severity:**	Medium

Summary:	Enhance supportsave to remove error messages and add new commands .		
Symptom:	Seeing unexpected "tar" command error messages during CORE file processing, and need to enhance supportsave to add "fciptunnel -per -params" and "poortcfgvexport data for VEX ports".		
Reason Code:	Already Fixed in Release	**Feature:**	RAS
Probability:	Low	**Function:**	FFDC/Supportsave
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000205552	**Technical Severity:**	Medium
Summary:	Config Download doesn't prevent downloading of strict-mode policy in interop mode		
Symptom:	Able to install config file that sets the fabwidecfg SCC policy to Strict after following steps: 1) Upload a config file from a Brocade switch (configupload) 2) Modify and the following parameter in the config file fdd.fabwidecfg:SCC:S 3) Download the modified config file to the switch (configdownload)		
Workaround:	Use EFCM full version for configuring an interop fabric. Customer should not be configuring a B-model switch in interopmode using configdownload.		
Reason Code:	Will Not Fix	**Feature:**	Native Interop
Probability:	Medium	**Function:**	L2 Security
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000205857	**Technical Severity:**	Medium
Summary:	Fastwrite with tape pipeline, switch sent improper frame caused tape job to fail.		
Symptom:	Using TapePipelining feature, with a slow responding tape device, the tape job fails and initiator lose access to the tape drive due to tape application abruptly end.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	FCIP
Reported In Release:	FOS5.3.0	**Service Request ID:**	RQST00000066902

Defect ID:	DEFECT000206093	**Technical Severity:**	Medium
Summary:	ISL between a Brocade 7500 in interopmode 3 (Open) and Brocade Mi10K in Open Mode segments due to E-Port unknown		
Symptom:	May not be able to form a link between FOS Open Mode switch and an Brocade Mi10K in Open Mode. Appears to be caused by zone conflict.		
Reason Code:	Not Reproducible	**Feature:**	Native Interop

Probability:	Low	**Function:**	Open Mode
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206100	**Technical Severity:**	Medium
Summary:	In a dual BB configuration, host on M-EOS v9.6.2 edge switch may not see devices imported from one BB.		
Symptom:	In dual BB configuration, an edge switch running EOS 9.6.2 build4 does not see all disks that are connected to only 1 BB		
Workaround:	Appears to be an RSCN timing issue. Toggling any of the involved device ports should correct the issue.		
Reason Code:	Will Not Fix	**Feature:**	FCR
Probability:	Medium	**Function:**	FCR Daemon
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206126	**Technical Severity:**	Medium
Summary:	On Brocade 7600, observed the message "EXT3-fs error ..." and switch reboots.		
Symptom:	When the error condition "EXT3-fs error (device hda2): ext3_readdir: bad entry in directory" is encountered, the swtich will reboot.		
Reason Code:	Not a Defect	**Feature:**	OS Services
Probability:	Low	**Function:**	Linux Kernal
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206159	**Technical Severity:**	Medium
Summary:	SNMP-1004 FFDC data get generated after the F/W downgrade from FOS v6.0 to v5.3.0b.		
Symptom:	Customer may see SNMP-1004 FFDC core file get generated after performing the F/W downgrade.		
Reason Code:	Not Reproducible	**Feature:**	Mgmt Embedded - SNMP
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000206520	**Technical Severity:**	Medium
Summary:	Third party hardware suspends in a fast-write environment.		
Symptom:	Third party hardware suspends in a fast-write environment. suspends fairly consistently during a batch window. The configuration is fairly unique - which has a full Gig-E per interface with		

	link latencies at around 30 ms round trip. The problem occurs when there are more the 768 outstanding fast-write I/O's for third party hardware.		
Reason Code:	Already Fixed in Release	**Feature:**	FCIP
Probability:	Low	**Function:**	FCIP I/O
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000206525	**Technical Severity:**	Medium
Summary:	A device disappears after server reboot in a FICON environment.		
Symptom:	FICON host sending a PLOGI directly to a device immediately after registering with the Management Server, may observe this PLOGI being rejected because routing tables have not yet been established.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	Fabric Services
Reported In Release:	FOS5.2.1	**Service Request ID:**	RQST00000067612

Defect ID:	DEFECT000206553	**Technical Severity:**	Medium
Summary:	FC4-48 blade drops frame on Brocade 48000 on ports that are routed through director ports above 256.		
Symptom:	When performance filters are installed on a port before its port type is known, later when the port is enabled as an ISL, frames can be dropped.		
Workaround:	portdisable/portenable the stuck E_ports/trunks.		
Reason Code:	Already Fixed in Release	**Feature:**	Platform Services
Probability:	Low	**Function:**	ASIC Driver
Reported In Release:	FOS5.2.1		

Defect ID:	DEFECT000206630	**Technical Severity:**	Medium
Summary:	Incorrect GID_FT response from Name Server caused host to log errors during HBA IOP reset.		
Symptom:	Multi-HBA host going through a HBA IOP reset, when the host does its GID_FT request, it gets a response back for the other HBA though that HBA did not register for FC4 Type. Subsequent PLOGI, PRLI sequence to the none FC4 type HBA is rejected and error logged on host.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	Fabric Services
Reported In Release:	FOS5.3.0	**Service Request ID:**	RQST00000068396

Defect ID:	DEFECT000206634	**Technical Severity:**	Medium
Summary:	POST & system verification internal stress programs should not be available.		
Symptom:	POST & system verification should not run any stress tests that are solely intended for engineering design verification.		
Reason Code:	Already Fixed in Release	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Post Diags
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000207759	**Technical Severity:**	Medium
Summary:	Certain blade servers may not be able to access targets after an NPIV failover between Brocade DCX and 48000 if target is accessed across FCR		
Symptom:	Hosts not able to access targets after NPIV failover between Brocade DCX and 48000 with targets across FCR link if there is more than 1 ex-port attached to the switches where the targets are logged in.		
Reason Code:	Not Reproducible	**Feature:**	FCR
Probability:	Low	**Function:**	FCR Daemon
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000207770	**Technical Severity:**	Medium
Summary:	In a large edge fabric, after repeated switch or trunking disable/enable on the core switch, fabric rebuild may take several minutes to complete.		
Symptom:	RTWR failures may be seen until the fabric rebuild completes.		
Reason Code:	Not Reproducible	**Feature:**	Routing
Probability:	Low	**Function:**	DCX
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000207912	**Technical Severity:**	Medium
Summary:	Brocade 5410 ports not in the same trunk.		
Symptom:	Port not trunked.		
Reason Code:	Not Reproducible	**Feature:**	Embedded Platform Services
Reported In Release:	FOS6.1.0	**Function:**	GE2 ASIC ports

Defect ID:	DEFECT000207955	**Technical Severity:**	Medium
Summary:	Brocade 5410, 5480, 5470 switches not able to add filter monitors.		
Symptom:	Brocade 5410, 5480, 5470 switches not able to add filter monitors.		
Reason Code:	Already Fixed in Release	**Feature:**	Embedded Platform Services
Reported In Release:	FOS6.1.0	**Function:**	Sys-Control/Environment Monitor

Defect ID:	DEFECT000208189	**Technical Severity:**	Medium
Summary:	Auditcfg not persistent through hareboot		
Symptom:	Audit log stops after hareboot.		
Reason Code:	Already Fixed in Release	**Feature:**	RAS
Probability:	Low	**Function:**	RAS Audit
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208340	**Technical Severity:**	Medium
Summary:	A user can still issue certain commands after the current AD has been deleted		
Symptom:	A user can perform unauthorized actions from a deleted AD		
Reason Code:	Can Not Fix	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	RBAC
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208412	**Technical Severity:**	Medium
Summary:	Brocade 5410 embedded switch does not configure default IP addresses correctly		
Symptom:	Customer will see unexpected default IP address configuration		
Reason Code:	Can Not Fix	**Feature:**	Embedded Platform Services
Probability:	Medium	**Function:**	Sys-Control/Environment Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208523	**Technical Severity:**	Medium
Summary:	Fabric mode TT monitor doesn't recalculates the new flows on the edge switches when topology changes		
Symptom:	Multiple switches fabric on mesh topology, if the topology from mesh to edge to core topology changes by removing 2 edge switches connection, then the fabric mode TT monitor		

	doesn't recalculates the new flows on the edge switches.		
Reason Code:	Not Reproducible	**Feature:**	Fabric Infrastructure
		Function:	Advanced Performance Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208673	**Technical Severity:**	Medium
Summary:	User not able to run diagsetburn (burn-in test diagnostics) due to "RBAC permission denied" error with admin and switchadmin role.		
Symptom:	"RBAC permission denied" error while trying to execute diagsetburn command for burnin test with admin and switchadmin role.		
Workaround:	User can use other roles to run burnin test		
Reason Code:	Already Fixed in Release	**Feature:**	Diagnostics
Probability:	High	**Function:**	Other
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000208879	**Technical Severity:**	Medium
Summary:	fcrlsanmatrix cli usability		
Reason Code:	Already Fixed in Release	**Feature:**	FCR
Reported In Release:	FOS6.1.0	**Function:**	FCR CLI

Defect ID:	DEFECT000209031	**Technical Severity:**	Medium
Summary:	Event generated on successful login to a switch might display wrong DNS name.		
Symptom:	Customer might see the wrong DNS name in the events table for successful logins to the switch.		
Reason Code:	Will Not Fix	**Feature:**	OS Services
Probability:	Medium	**Function:**	IP Admin
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209219	**Technical Severity:**	Medium
Summary:	With a switch in InteropMode 2 or 3, the iSCSI configuration is not being included in configupload		
Symptom:	The iSCSI port configuration and database information will not be included in the configuration file for a switch in interop mode 2 or 3		

Reason Code:	Will Not Fix	**Feature:**	iSCSI
Probability:	Low	**Function:**	ISCSI CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209303	**Technical Severity:**	Medium
Summary:	CAL call on Brocade_Chassis doest return serialnumber & PartNumber for a switch		
Reason Code:	Not Applicable	**Feature:**	Mgmt Embedded
Reported In Release:	FOS5.1.1	**Function:**	CAL

Defect ID:	DEFECT000209589	**Technical Severity:**	Medium
Summary:	FC6-10 blade faulty on Brocade DCX reboot (FOS v6.0.0).		
Symptom:	Blade shows as faulty.		
Reason Code:	Not Reproducible	**Feature:**	FOS Software
Service Request ID:	246455	**Function:**	Diagnostics
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000209617	**Technical Severity:**	Medium
Summary:	On embedded switch products, sfpshow will display error "Can not read Serial Data" on internal ports that do not have server blades installed		
Symptom:	sfpshow displays "Can not read Serial Data!" on internal ports that do not have server blades installed.		
Reason Code:	Not Reproducible	**Feature:**	Embedded Platform Services
Probability:	Medium	**Function:**	Sys-Control/Environment Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209708	**Technical Severity:**	Medium
Summary:	Brocade 5410 8Gb ISL invalid		
Reason Code:	Not a Defect	**Feature:**	Embedded Platform Services
Probability:	Medium	**Function:**	GE2 ASIC ports
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000209892	**Technical Severity:**	Medium

Summary:	In a mixed fabric (FOS and M-EOS), Hosts might not be able to ping each other.		
Symptom:	Host using IP over FC might not be able to Ping each other. This appears to be limited to broadcast frames and not to other IP traffic.		
Reason Code:	Will Not Fix	**Feature:**	Native Interop
Probability:	Medium	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210021	**Technical Severity:**	Medium
Summary:	In some long distance setups, two adjacent ports set to Auto Negotiate on a Brocade DCX fail to form a trunk at 4G.		
Symptom:	Two adjacent ports on a DCX fail to form a trunk at 4G		
Workaround:	Manually set the port speed to 4G on one of the DCX for both the ports		
Reason Code:	Not a Defect	**Feature:**	FC Services
Probability:	Low	**Function:**	Fabric
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210144	**Technical Severity:**	Medium
Summary:	SSH Demon (sshd) does not start automatically on FA4-18		
Symptom:	sshd does not automatically restart		
Workaround:	Run sshd manually.		
Reason Code:	Already Fixed in Release	**Feature:**	FA4-18 Platform Services
Probability:	Medium	**Function:**	Blade FOS SW
Reported In Release:	FOS6.0.0		

Defect ID:	DEFECT000210223	**Technical Severity:**	Medium
Summary:	FC4-32 Blade in a Brocade 48000 running POST Diag with Diag POST disabled.		
Symptom:	With POST Diags disabled, a slotPowerOff/slotPowerOn test case was run. After slotPowerOn, the Diags were observed to be running on the Brocade FC4-32.		
Reason Code:	Not a Defect	**Feature:**	Diagnostics
Reported In Release:	FOS6.0.0	**Function:**	Post Diags

Defect ID:	DEFECT000210234	**Technical Severity:**	Medium

Summary:	Certain "...show" commands not allowed in AD0 when switch is included in user defined AD.		
Symptom:	Some show commands will not be allowed in AD0.		
Workaround:	Log into the AD which includes the switch to run the desired show commands.		
Reason Code:	Will Not Fix	**Feature:**	FC Services
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000210377	**Technical Severity:**	Medium
Summary:	Management server GMAL command is being rejected with reason 5 "Logical Busy"		
Symptom:	Error message returned.		
Reason Code:	Already Fixed in Release	**Feature:**	FC Services
Reported In Release:	FOS5.3.1	**Function:**	Mgmt Server

Defect ID:	DEFECT000210704	**Technical Severity:**	Medium
Summary:	Brocade 5410: Trunking should not be enabled on internal ports 0 and 11.		
Symptom:	Brocade 5410: Trunking should not be enabled on internal ports 0 and 11.		
Reason Code:	Already Fixed in Release	**Feature:**	Embedded Platform Services
Reported In Release:	FOS6.1.0	**Function:**	Sys-Control/Environment Monitor

Defect ID:	DEFECT000210999	**Technical Severity:**	Medium
Summary:	In rare instances of F_Port trunk master changes, the F-Port Top Talker monitor is not displaying correct counters.		
Symptom:	Customer is not seeing accurate numbers for F-Port Top Talker monitor on an F_Port trunk.		
Workaround:	Delete and add the F-port top talker again		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211066	**Technical Severity:**	Medium
Summary:	In rare instances when the external time server becomes unreachable, the ErrorLog is flooded with TimeServer warning messages		
Symptom:	Errorlog might be flooded with Time Server (TS) messages similar to these:		

	..., [TS-1002], 269/267,, INFO, dcx_185, LOCL Clock Server used instead of External: ... ... [TS-1006], 270/268,, INFO, dcx_185, Synchronizing time of day clock, ...		
Workaround:	Re-establish connectivity to the external clock server		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211087	**Technical Severity:**	Medium
Summary:	Portdisable/portenable on the other end of ISL does not change buffer limited status		
Symptom:	E-port is still showing buffer limited even if buffer is not limited anymore.		
Reason Code:	Will Not Fix	**Feature:**	QOS
Probability:	Medium	**Function:**	Others
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211292	**Technical Severity:**	Medium
Summary:	SAS firmwaredownload will fail if a DNS name is used for ipv6 Host.		
Symptom:	Firmwaredownload command will fail if a DNS name is used for the host instead of an IPv6 address. Message that will be seen: "Cannot download the firmware. Failed to retrieve firmware."		
Workaround:	Use the IPv6 address instead of the DNS name.		
Reason Code:	Will Not Fix	**Feature:**	Infrastructure
Probability:	High	**Function:**	Firmware Download
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211326	**Technical Severity:**	Medium
Summary:	When there are 48 IFLs to 1 edge fabric, it can take several minutes to form the MetaSAN		
Symptom:	In a large configuration where we test the maximum of 48 IFLs to one edge, the MetaSAN takes several minutes to form.		
Reason Code:	Will Not Fix	**Feature:**	FCR
Probability:	Medium	**Function:**	Integrated Routing
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211429	**Technical Severity:**	Medium
Summary:	Sometimes user may observe spinfab diag test failure on E ports.		
Symptom:	Spinfab diagnostic failure with error ERROR: DIAG PORTSTOPPED spinfab:spinfab, 0 nMegs		
Reason Code:	Already Fixed in Release	**Feature:**	Diagnostics
Probability:	Low	**Function:**	Other
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211520	**Technical Severity:**	Medium
Summary:	AG NPIV ports attached to Brocade 200e take approx 39 seconds before failing over to 2nd path		
Symptom:	AG embedded NPIV ports are attached to a 200e, when reboot is initiated on 200e, it takes approx 29 seconds before the NPIV ports failover to secondary paths. I/O typically survives with the exception of having an I10k in the same fabric, a fabric build with the expected long wait period for an f_port to log in (17 seconds) can cause I/O timeout if HBA is settings is not greater than 45 seconds.		
Reason Code:	Not a Defect	**Feature:**	Access Gateway Services
Probability:	High	**Function:**	Daemon
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211605	**Technical Severity:**	Medium
Summary:	After multiple N_Ports are taken offline/online, a retry may be necessary to complete discovery.		
Symptom:	Disable and enable ports and some ports do not get discovered. The failed ports are different with each occurrence.		
Reason Code:	Not Reproducible	**Feature:**	FCR
Probability:	Low	**Function:**	FCR Port
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211641	**Technical Severity:**	Medium
Summary:	Firmware upgrade from SMIA may fail on Brocade 5100 switch due to RPC error		
Symptom:	Firmware download operation from SMIA may fail on Brocade 5100 due to RPC Error.		
Reason Code:	Not a Defect	**Feature:**	Mgmt Embedded - RPCD
Probability:	Low	**Function:**	Firmware Download

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211661	**Technical Severity:**	Medium
Summary:	DMM License gets added but throws error		
Symptom:	DMM License gets added but throws error and mutual exclusion of TB and WWN license fails.		
Reason Code:	Already Fixed in Release	**Feature:**	SCIMITAR SAS SERVICES
Probability:	Medium	**Function:**	SAS TOOL SUPPORT
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211700	**Technical Severity:**	Medium
Summary:	In a large fabric setup, frames may be lost when enabling the trunk slave link of an Ex trunk on Brocade 5100 switch		
Symptom:	May see transient frame drop when adding slave link to existing Ex trunk.		
Reason Code:	Can Not Fix	**Feature:**	C2 EX Port
Probability:	Medium	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211718	**Technical Severity:**	Medium
Summary:	AG: A customer can rename a port group as blank		
Symptom:	Customer may be able to rename a portgroup blank.		
Workaround:	Avoid using empty strings when renaming a port group.		
Reason Code:	Already Fixed in Release	**Feature:**	Access Gateway Services
Probability:	High	**Function:**	CLI
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211720	**Technical Severity:**	Medium
Summary:	After renaming a port group name to blank from Web Tools, the port group is deleted.		
Symptom:	If a port group is renamed to blank from Web Tools, the port group is deleted.		
Workaround:	Specify a valid name for a port group		
Reason Code:	Already Fixed in Release	**Feature:**	WebMgmt
Probability:	High	**Function:**	AG Support

Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211749	**Technical Severity:**	Medium
Summary:	Successive ACL operations on Dual domain switch fails		
Reason Code:	Not a Defect	**Feature:**	Mgmt Embedded - CAL
Reported In Release:	FOS5.3.0	**Function:**	Other

Defect ID:	DEFECT000211768	**Technical Severity:**	Medium
Summary:	No warning message seen on 8G platforms when attempting to install fabric mode TT with EE monitors already installed		
Symptom:	When EE monitors are already present on the switch, and user tries to install fabric mode TT, there is no message saying "Cannot install Fabric Mode Top Talker because EE monitor is already present" on DCX, Spirit and switch 5000. And fabric mode TT is not installed either.		
Reason Code:	Not a Defect	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211795	**Technical Severity:**	Medium
Summary:	Enabling Trunk Slaves with QOS While Traffic is Running May Cause Credit Loss		
Symptom:	When QOS enabled trunk slaves are added while traffic is running, credits appear to be lost on the new trunk slave. If the master trunk is then disabled or removed and all the available credits have been lost, traffic will stop.		
Workaround:	disable and enable the trunk ports again. Since this is a very rare occurrence, toggling the port should fix the problem		
Reason Code:	Will Not Fix	**Feature:**	Brocade 5100 Platform Services
Probability:	Low	**Function:**	ASIC Port
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000211920	**Technical Severity:**	Medium
Summary:	Core blade on DCX is faulty (69) after firmwaredownload to bld26 and power-cycled.		
Reason Code:	Not Reproducible	**Feature:**	DCX Platform Services
Reported In Release:	FOS6.1.0	**Function:**	ASIC Driver

Defect ID:	DEFECT000212120	**Technical Severity:**	Medium

Summary:	On rare occasions, some ports on a Brocade 5100 do not display all flows for F_Port TopTalker monitor.		
Symptom:	Customer does not see accurate flows on some ports.		
Reason Code:	Not Applicable	**Feature:**	Fabric Infrastructure
Probability:	Low	**Function:**	Advanced Performance Monitor
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212275	**Technical Severity:**	Medium
Summary:	The Prohibit feature in the PDCM matrix does not seem function once activated		
Symptom:	May not be able to utilize the "prohibit" feature of the PDCM matrix to block traffic selectively.		
Workaround:	Use block feature instead of prohibit		
Reason Code:	Not a Defect	**Feature:**	FC Services
Probability:	Medium	**Function:**	FICON
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212304	**Technical Severity:**	Medium
Summary:	Extra CAM entries could exist on Brocade 300 when Frame Redirection is used and VI/VT offline/online		
Symptom:	This behavior is seen only when features from a future release are activated. CAM table entries would prevent communication from host-to-target after the 7600 switch goes offline.		
Workaround:	Execute portdisable/portenable on the affected Host or Target port and CAM entries are updated correctly.		
Reason Code:	Not a Defect	**Feature:**	FC Services
Probability:	High	**Function:**	Name Server
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212421	**Technical Severity:**	Medium
Summary:	WebTools-Configdownload fails with modes 2 to 3, 3 to 0, 3 to 2 and doesn't clear zoning database for any configdownloads		
Symptom:	Configdownload from webtools in mode2 or mode3 is not working as expected. Zone database is not cleared.		
Workaround:	Using CLI to perform the configdownload		
Reason Code:	Already Fixed in Release	**Feature:**	Infrastructure

Probability:	Low	**Function:**	Config Download
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212512	**Technical Severity:**	Medium
Summary:	FOS v6.1 switches are not rejecting 'ti_zone' changes from FOS v5.3.1 switch when saved or enabled		
Reason Code:	Will Not Fix	**Feature:**	FC Services
Probability:	High	**Function:**	Zoning
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212523	**Technical Severity:**	Medium
Summary:	Webd and snmpd seems to have been killed by out of memory condition.		
Symptom:	Webd and snmpd seems to have been killed by out of memory condition.		
Reason Code:	Not Reproducible	**Feature:**	Mgmt Embedded - SNMP
Reported In Release:	FOS6.1.0	**Function:**	Other

Defect ID:	DEFECT000212529	**Technical Severity:**	Medium
Summary:	The aaconfig command help text needs to be corrected for LDAP mode.		
Symptom:	LDAP cannot be configured while FIPS in enabled, but online help text does not clearly state this.		
Reason Code:	Not Applicable	**Feature:**	Man Pages
Probability:	High	**Function:**	Edit/Correct
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000212577	**Technical Severity:**	Medium
Summary:	ConfigUpload operation returns a file which has unrecognizable characters.		
Reason Code:	Not Reproducible	**Feature:**	Infrastructure
Reported In Release:	FOS5.3.1	**Function:**	Config Download

Defect ID:	DEFECT000212647	**Technical Severity:**	Medium
Summary:	Discarded Frames Due to Zone Mismatch for Mirror Target on Brocade 7600.		
Symptom:	Discarded Class 3 frames for Mirror Target		

Reason Code:	Not Reproducible	**Feature:**	Native Interop
Reported In Release:	FOS6.1.0	**Function:**	Zoning

Defect ID:	DEFECT000212830	**Technical Severity:**	Medium
Summary:	"Switchdisable/switchenable" on two core switches caused edge switch panicked due to "ASSERT -Failed Expression: 0, file = ns_impl.c..."		
Symptom:	"Switchdisable/switchenable" on two core switches cause edge switch panicked due to "ASSERT -Failed Expression: 0, file = ns_impl.c..."		
Reason Code:	Not Reproducible	**Feature:**	FC Services
Reported In Release:	FOS6.1.0	**Function:**	Name Server

Defect ID:	DEFECT000212969	**Technical Severity:**	Medium
Summary:	Toggling of VEX – VE link belonging to a TI over FCR zone caused route to not be setup correctly		
Symptom:	Toggling of VEX / VE port links belonging to a TI over FCR zone may lead to routes not getting setup correctly.		
Workaround:	Delete and re install the same TI over FCR zones will remedy the issue.		
Reason Code:	Already Fixed in Release	**Feature:**	Routing
Probability:	High	**Function:**	DCX
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213429	**Technical Severity:**	Medium
Summary:	FOS switch licensing can be bypassed by using configs from other licensed switches		
Reason Code:	Not a Defect	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	License
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213432	**Technical Severity:**	Medium
Summary:	Dual CP Brocade 48000, HCL -s option, ESS-1002-Pause reject message not posted in WebTools		
Symptom:	Dual CP-48k HCL -s option, Pause reject mechanism active, Pause reject message not posted in WebTools During HCL on 48K if a Pause frame is rejected by an EOS switch the ESS-1002 event "the pause message is rejected by the domain x" is not posted to the Switch Events log or Fabric		

	Events log. But the ESS-1004 event "The resume message is rejected by the domain x" message is posted to both logs. Both events are posted to the 48k console log. These events are posted on all pizza boxes in WT		
Reason Code:	Not a Defect	**Feature:**	FC Services
Probability:	Low	**Function:**	ESS
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213435	**Technical Severity:**	Medium
Summary:	Temporary frame loss detected following haFailover on the edge Brocade 48000 when TI over FCR zones are active		
Symptom:	Hafailover on an edge switch may cause a small frame drop if TI over FCR zones are in force.		
Reason Code:	Can Not Fix	**Feature:**	Platform Services
Probability:	Medium	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000213800	**Technical Severity:**	Medium
Summary:	After switching over to open mode, from McDATA mode, Brocade 4900 received FFDC.		
Symptom:	After switching over to open mode, from McDATA mode, Brocade 4900 received FFDC.		
Reason Code:	Already Fixed in Release	**Feature:**	Native Interop
Reported In Release:	FOS6.1.0	**Function:**	Other

Defect ID:	DEFECT000214108	**Technical Severity:**	Medium
Summary:	Brocade 7600 Console Displays Zoning Enforcement Changes for Ports 16-31 When in Interopmode 2 Default Zoning		
Symptom:	When default zoning is enable, there are messages in the 7600 console of enforcement changes to session based hard zoning for all ports in range 16-31.		
Reason Code:	Not Applicable	**Feature:**	Native Interop
Reported In Release:	FOS6.1.0	**Function:**	Zoning

Defect ID:	DEFECT000214277	**Technical Severity:**	Medium
Summary:	It doesn't appear that authentication will failover from FCAP to DHCHAP		

Symptom:	Support save and console uploaded to: \\Hq-samba-1\sj_eng\defects		
Reason Code:	Not a Defect	**Feature:**	Fabric Infrastructure
Reported In Release:	FOS6.1.0	**Function:**	Security

Defect ID:	DEFECT000214394	**Technical Severity:**	Medium
Summary:	SNMP does not provide any means to distinguish between Brocade 7500 and 7500E.		
Symptom:	Customer will not be able to determine whether the Brocade 7500 switch they have is in 7500 mode or in 7500E mode, on referring to SNMP MIB Browsers.		
Reason Code:	Already Fixed in Release	**Feature:**	Mgmt Embedded - SNMP
Probability:	Medium	**Function:**	Other
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000214645	**Technical Severity:**	Medium
Summary:	Ag --prefshow on edge_AG shown Fports have the same mapped Nport and preferred Nport.		
Symptom:	Ag --prefshow on edge_AG shown Fports have the same mapped Nport and preferred Nport		
Reason Code:	Already Fixed in Release	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0	**Function:**	Daemon

Defect ID:	DEFECT000214777	**Technical Severity:**	Medium
Summary:	Security admin role user is not allowed to reboot the switch.		
Symptom:	Security admin role user is not allowed to reboot the switch.		
Reason Code:	Already Fixed in Release	**Feature:**	Mgmt Embedded - CAL
Reported In Release:	FOS6.1.1	**Function:**	Switch Admin

Defect ID:	DEFECT000215118	**Technical Severity:**	Medium
Summary:	Brocade FA4-18 blade at FOS v5.3.0a or less causes CP failover and Faulty (21) in Brocade DCX.		
Symptom:	Brocade FA4-18 blade supplied with version FOS v5.3.0a is not supported in Brocade DCX initially in other than slot 1 or 2. After firmware upgrade it can be moved to other slots (known limitation with v5.3.0a). However, the active CP does an unexpected failover when powering up and loading the FA4-18 in slot 10 (example). The blade is finally faulted by the new active CP as Faulty (21).		
Workaround:	Any FA4-18 blade supplied by the factory at FOS v5.3.0a or earlier MUST be installed in		

	slots 1 or 2 initially (already noted in release notes).		
Reason Code:	Can Not Fix	**Feature:**	FA4-18 Platform Services
Probability:	High	**Function:**	Blade FOS SW
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000215612	**Technical Severity:**	Medium
Summary:	Cfgenable on FOS v6.1.0 intermittently fails with Brocade 3800 in fabric.		
Symptom:	zoning configuration change will work, but the enable will fail.		
Reason Code:	Not a Defect	**Feature:**	FOS Software
Probability:	Medium	**Function:**	Fabric Services
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000215784	**Technical Severity:**	Medium
Summary:	Brocade DCX message seen on port blade: "Probing failed on L-port 36 ALPA xx" and other ports.		
Symptom:	"Probing failed" type messages can be seen on the serial console of the DCX in some circumstances that are not yet well-defined. This results in ports that fail to login to the switch.		
Reason Code:	Not a Defect	**Feature:**	DCX Platform Services
Reported In Release:	FOS6.1.0	**Function:**	ASIC Driver

Defect ID:	DEFECT000216064	**Technical Severity:**	Medium
Summary:	Intermittent Software Verify assert when conducting portDisable/Enable & Port Mirroring		
Symptom:	Intermittent Software Verify Assert (psd0) during portDisable/Enable when port Mirroring is in effect.		
Reason Code:	Not Reproducible	**Feature:**	Platform Services
Probability:	Medium	**Function:**	ASIC Driver
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216335	**Technical Severity:**	Medium
Summary:	FPort traffic encounters timeouts when deleting a Port Mirror Definition (IOD turned on)		
Symptom:	Traffic flowing out a production FPort that is being mirrored on another port will encounter traffic timeouts after deleting the mirror definition if In-Order Delivery is enabled.		

Workaround:	Unsure of a workaround.		
Reason Code:	Not a Defect	**Feature:**	Platform Services
Probability:	Medium	**Function:**	Routing
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216473	**Technical Severity:**	Medium
Summary:	In Switch Admin, Extended Fabric tab, while trying to configure Long Distance for internal ports after exceeding buffer limit, wrong message is displayed.		
Reason Code:	Not Reproducible	**Feature:**	Mgmt Embedded - HTTP
Probability:	Medium	**Function:**	Switch Admin
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000216651	**Technical Severity:**	Medium
Summary:	Configupload fails on Brocade DCX.		
Symptom:	Unable to get a successful configupload from a DCX.		
Reason Code:	Not a Defect	**Feature:**	Infrastructure
Probability:	High	**Function:**	Config Download
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000216779	**Technical Severity:**	Medium
Summary:	Frame drop seen when TI over FCR traffic goes via E-Port on port 0		
Symptom:	When utilizing TI over FCR feature, one may see frame drops if port 0 is configured as an E-Port in the TI zone.		
Reason Code:	Not Reproducible	**Feature:**	Routing
Probability:	Medium	**Function:**	Legacy Platforms
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217051	**Technical Severity:**	Medium
Summary:	Webtools hangs while changing port speed from long distance to normal.		
Symptom:	Customer was unable to change the port speed from long distance to normal (webtools was launched from FM). During this process fabric MGR locked up and would not complete the task.		
Reason Code:	Not Reproducible	**Feature:**	WebMgmt

Reported In Release:	FOS6.1.0	**Function:**	Ports Admin

Defect ID:	DEFECT000217577	**Technical Severity:**	Medium
Summary:	Port is not fencing on first 1001 CRC errors		
Symptom:	Customer's port does not fence on first 1001 CRC errors. Port does fence if another 1001 CRCs errors is received.		
Reason Code:	Already Fixed in Release	**Feature:**	Fabric Infrastructure
Probability:	Medium	**Function:**	Fabric Watch
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217624	**Technical Severity:**	Medium
Summary:	The number of events displayed on the browser is more than 1024.		
Symptom:	Customer will view more events than expected.		
Workaround:	Workaround SW-MIB(swEventTable).		
Reason Code:	Will Not Fix	**Feature:**	Mgmt Embedded - SNMP
Probability:	Medium	**Function:**	Other
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000217695	**Technical Severity:**	Medium
Summary:	RPC call fails		
Reason Code:	Not a Defect	**Feature:**	Mgmt Embedded - RPCD
Probability:	Medium	**Function:**	Ports Admin
Reported In Release:	FOS6.1.0		

Defect ID:	DEFECT000217809	**Technical Severity:**	Medium
Summary:	In Access gateway mode, U-ports in auto negotiate speed mode are showing speed as 1G, 2G, 4G under port admin.		
Reason Code:	Already Fixed in Release	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	AG Support
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000217995	**Technical Severity:**	Medium

Summary:	In interopmode, name server database is not updated when remote devices attached to a 3rd party switch comes on line.		
Symptom:	Host cannot see devices attached to 3rd party switches.		
Reason Code:	Not Applicable	**Feature:**	FOS Software
Probability:	High	**Function:**	Native / Open Mode
Reported In Release:	FOS5.3.0		

Defect ID:	DEFECT000218356	**Technical Severity:**	Medium
Summary:	Some special characters should not be accepted when user enters the encryption group name through the CLI		
Symptom:	When configuring an encryption group, user is allowed to enter special chars, " #, &, (,), \, |, : ". This will cause the name of their encryption group to be truncated after the first invalid character		
Workaround:	Avoid entering invalid characters in the encryption group name.		
Reason Code:	Not a Defect	**Feature:**	Data Security
Probability:	Medium	**Function:**	HA Cluster
Reported In Release:	FOS6.1.1_enc		

Defect ID:	DEFECT000218366	**Technical Severity:**	Medium
Summary:	Brocade 5481 switch allows disablement of AG mode.		
Symptom:	Brocade 5481 switch allows disablement of AG mode.		
Reason Code:	Not a Defect	**Feature:**	Access Gateway Services
Reported In Release:	FOS6.1.0	**Function:**	CLI

Defect ID:	DEFECT000218532	**Technical Severity:**	Medium
Summary:	remove the current checks in ns code for fss_release stage		
Reason Code:	Not Applicable	**Feature:**	Software
Reported In Release:	FOS2.6.2	**Function:**	Name Server

Defect ID:	DEFECT000218644	**Technical Severity:**	Medium
Summary:	Overnight tests slotpoweroff-on Brocade DCX resulted in FA4-18 faulty(21) [CDR-5813] S1,C0: Chip Fault Halted disables condor chip, OID:0x43110080; [EM-1034], 4568,, ERROR, hlamNeptune, Slot 1 set to faulty.		
Symptom:	FA4-18 faulty(21) with slotpoweroff-on tests		

Reason Code:	Will Not Fix	**Feature:**	DCX Platform Services
Reported In Release:	FOS6.1.0	**Function:**	ASIC Driver

Defect ID:	DEFECT000218717	**Technical Severity:**	Medium
Summary:	After switchdisable and enable with Brocade 5100 ports stay at (Switch not ready for F or L ports) for a few minutes.		
Symptom:	A device (port 0) and a switch (port 1) are connected to Brocade 5100. A switchdisable/switchenable command is executed by Brocade 5100. Even if a switch is set to enable, it does not react to Flogi immediately. A switch will require time until login from a device is successful.		
Reason Code:	Not Reproducible	**Feature:**	FC Services
		Function:	FSPF
Reported In Release:	FOS6.1.0	**Service Request ID:**	310921

Defect ID:	DEFECT000218780	**Technical Severity:**	Medium
Summary:	Orphaned supportsave processes accumulate, lead to OOM/panic		
Symptom:	CP panic/failover due to low resources		
Workaround:	Disable FM "call home" auto-supportsave, or adjust switch status policy so that frequently occurring events do not trigger "call home".		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Medium	**Function:**	Management Services
Reported In Release:	FOS5.3.0	**Service Request ID:**	314719

Defect ID:	DEFECT000218932	**Technical Severity:**	Medium
Summary:	"Manage LSAN Fabric " in "LSAN Fabrics" tab in FCR is not launching the particular switch		
Symptom:	"Manage LSAN Fabric " in "LSAN Fabrics" tab in FCR is not launching the particular switch		
Reason Code:	Not Reproducible	**Feature:**	WebMgmt
Reported In Release:	FOS6.1.1	**Function:**	Other

Defect ID:	DEFECT000218961	**Technical Severity:**	Medium
Summary:	Port domain routes are missing.		
Symptom:	Host cannot see storage. Port is missing domain routes.		
Reason Code:	Not a Defect	**Feature:**	Routing

Probability:	Medium	**Function:**	Legacy Platforms
Reported In Release:	FOS6.1.0	**Service Request ID:**	314899

Defect ID:	DEFECT000219033	**Technical Severity:**	Medium
Summary:	Supportsave collection need to provide progress indication		
Reason Code:	Not a Defect	**Feature:**	RAS
Reported In Release:	FOS6.1.0	**Function:**	FFDC/Supportsave

Defect ID:	DEFECT000219101	**Technical Severity:**	Medium
Summary:	Unable to set IPv6 address and SNMP Access Host to ::1/64, while IPFilter policy gets created with same ip.		
Symptom:	Customer will not be able to set the IPv6 address of the switch to ::1/64, or add that IP in the SNMP Access Host list.		
Reason Code:	Not a Defect	**Feature:**	Mgmt Embedded - HTTP
Probability:	Medium	**Function:**	Switch Admin
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000219458	**Technical Severity:**	Medium
Summary:	After HA failover, the switch is not relaunching in AD255		
Symptom:	After HA failover, the switch is not relaunching when it is in AD255		
Reason Code:	Not Applicable	**Feature:**	WebMgmt
Reported In Release:	FOS6.1.1	**Function:**	High Availability

Defect ID:	DEFECT000220634	**Technical Severity:**	Medium
Summary:	Swtich did not output the FW-1435 message when Compact Flash capacity was out of range.		
Symptom:	Swtich did not output the FW-1435 message for switch status change, causing a contributing factor to compact flash usage capacity being out of range.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	High	**Function:**	Management Services
Reported In Release:	FOS5.3.0	**Service Request ID:**	322215

Defect ID:	DEFECT000220959	**Technical Severity:**	Medium

Summary:	When invalid SFP is inserted in GigE port, switchshow State displays as No_Sync instead of Mod_Inv until reboot		
Symptom:	Customer does not realize that they have an invalid SFP and wonders why the GigE port is not functioning.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Platform Services
Reported In Release:	FOS6.1.1	**Function:**	FOS Kernel Drivers

Defect ID:	DEFECT000221926	**Technical Severity:**	Medium
Summary:	When setting the FCS policy with the *, the submitting WWN should be the first in the list.		
Reason Code:	Will Not Fix	**Feature:**	Fabric Infrastructure
Probability:	High	**Function:**	Security
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000222113	**Technical Severity:**	Medium
Summary:	Brocade 48000 getting an error message when trying to send a test mail in Email alert configuration.		
Symptom:	User may not receive Email alerts.		
Reason Code:	Not Reproducible	**Feature:**	WebMgmt
Probability:	Medium	**Function:**	Fabric Watch
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000222682	**Technical Severity:**	Medium
Summary:	Fabric watch failed to initialize after failover during a firmwaredownload from FOS v6.1.0 to v6.1.0b on Brocade DCX.		
Symptom:	Fabric watch failed to initialize after failover during a firmwaredownload from FOS v6.1.0 to v6.1.0b on Brocade DCX.		
Reason Code:	Not Reproducible	**Feature:**	DCX Platform Services
		Function:	Sys-Control/Environment Monitor
Reported In Release:	FOS6.1.0	**Service Request ID:**	326833

Defect ID:	DEFECT000222790	**Technical Severity:**	Medium
Summary:	Switch shows excessive TRCK-1004 logs though there is no change to the configuration.		
Symptom:	TRCK-1004 is logged every 64 seconds in raslog when clock server is configured to local or external clock server list is empty.		

Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	High	**Function:**	Management Services
Reported In Release:	FOS5.3.0	**Service Request ID:**	328735

Defect ID:	DEFECT000223744	**Technical Severity:**	Medium
Summary:	The value of sfpshow no longer updates after hafailover.		
Symptom:	Observe stale value for Current and RXPower for sfps. The value does not change till a sfp reseat or switch is rebooted/powercycled.		
Reason Code:	Already Fixed in Release	**Feature:**	FOS Software
Probability:	Low	**Function:**	FC Layer 2 Routing
Reported In Release:	FOS5.3.1	**Service Request ID:**	321955

Defect ID:	DEFECT000224679	**Technical Severity:**	Medium
Summary:	When WebTools session must be killed in Task Manager		
Reason Code:	Not Reproducible	**Feature:**	WebMgmt
Probability:	High	**Function:**	WT Platform Support
Reported In Release:	FOS6.1.1		

Defect ID:	DEFECT000226608	**Technical Severity:**	Medium
Summary:	Webtools does not work well in NAT environment		
Symptom:	Customer cannot manage older 3rd party switches in NAT environment.		
Reason Code:	Not Applicable	**Feature:**	FOS Software
Probability:	Low	**Function:**	Web Management
Reported In Release:	FOS5.3.1	**Service Request ID:**	323465

Defect ID:	DEFECT000230020	**Technical Severity:**	Medium
Summary:	Data miscompare seen while running online rekey on a total of 22 luns across 3 arrays.		
Symptom:	Data miscompare seen while running online rekey on a total of 22 luns across 3 arrays.		
Reason Code:	Already Fixed in Release	**Feature:**	Data Security
Reported In Release:	FOS6.1.1_enc	**Function:**	Re-key

Defect ID:	DEFECT000232220	**Technical**	Medium

		Severity:	
Summary:	The Pathinfo through CAL consumes more than 10 minutes of time and finally throws an Error as "No Response".		
Reason Code:	Not Reproducible	**Feature:**	Mgmt Embedded - CAL
Reported In Release:	FOS6.1.1	**Function:**	Other

Defect ID:	DEFECT000235878	**Technical Severity:**	Medium
Summary:	Ax mode for speed negotiation reports as being invalid.		
Symptom:	When running the portcfgspeed command with the ax option on a switch running FOS v6.1.x, "Error: Invalid speed level." is returned.		
Reason Code:	Not Applicable	**Feature:**	FOS Software
Reported In Release:	FOS6.1.0	**Function:**	ASIC Driver